

## 1053

```

ttattagcat ttctgatat tcctttgtcc atattttctac ttataacctg ttgctattaa 720
tgggttttaga tgtatctctt gttatctgca tctcattgtt tattgtattt tgaaccaatc 780
tacaagtctc tgtcttttaa taaaagaact ttacacattt gtaaaaaaga gggtcttggg 840
aagatataaa atggaaaaag gctaagtaat atgtgaatat catatttttg aaaggtaaaa 900
agtacatttg tatattacat atatggacat aacttgtgaa ggatgaaaga aagtacagcc 960
tctcggtggt gggattatga atgatttttc tccttttgct tgtttgtatt ttctatatcc 1020
ctaaaattaa cacacattat tattgctaga ataataaaag ttttataaaa aagaaaaaaa 1080
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggg 1126

```

<210> 1680

<211> 630

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<400> 1680

```

accctcacta aagggacaaa agctggggct ccaccgcggt ggcgnccgct ctagaactag 60
tggatcccc gggctgcagg aattcggcac gagaaatggt catgcctcta cggatcagtt 120
aagtgaagaa aaggagaaa gggcatgttg ctggtgagaa gtcaagtaag ygacatagta 180
gttcagggtg cccatgcctg ggatcttctc tatgattgat acatggcaca gtgagagatt 240
aatgggcatt gtgtacaaat tgcttctcac catccccatt agacctacga ataaagcatc 300
cggttctaaa attaatttgt tgcagctttg taaatatattc tttaagattc agcctgagag 360
ttaggrgaaa tatttcagag ccaaaagtgc cttatacaac cttagcctat tatagtraak 420
cattcaaggg attcagaatt tttggcagtc acargaagag tgtattttatt atgtagratt 480
gaatgaggg acctgtcacc ctgcccttaa ntgtaggtag ggccccagag tcttaccatt 540
ttaaggatct ttaccatgcc aggtttataa aaacccggcc accaggtctt tcaatccagg 600
attttgaaag gcttcattgc ccatagggtg 630

```

<210> 1681

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<400> 1681

```

gcgataggct atagcatggt tatgactctg gtttctttct cttcagggtg ttttatacca 60
ttactgttaa tgttatttta acttggcatg tataacattg ccatatagag tagagtagaa 120
agttgcaaat tttgatagtt tacagagtta aacactaaac atatccaaag tccatttaga 180

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## 1054

```

gttttgggtg ttgtattttg ccatttttgt gatgtgtggc cttttattct gtaatctctt 240
ctaaataaaa cattgaacat ccagcaaaca taaaacctgc ctcatattgaa aaggaatttc 300
aaaattccaa ttaataggat tctctagaga gttttgtact ttaatatattg tcagtgtagt 360
gtcaactctg ttaccaaggt agcttcttgg taaatccagt agctactcaa tgctatttgt 420
actgaataaa gcaattatta acatgatact tcccactatt gattaatgca atattgatat 480
at ttggcggt gtggttagct ttgcagaatg aatagtgtaa tgaccataag attgcttgga 540
aaattgtaat mcagatatcc acaatgaatt ctttnccaaa attttttttt ccgatgataa 600
aagtagtaga tg                                     612

```

&lt;210&gt; 1682

&lt;211&gt; 1194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1682

```

gcaaccagggt ctacttttta atggctttca taacactaac tcataagggt accgatcaat 60
gcatttcata cggatataga cctagggtct tggagggtgg gggattgtta aaacacatgc 120
aaaaaaaaaa aaaaaagaaa ttttgtatat ataaccattt taatctttta taaagttttg 180
aatgttcatt tatgaatgct gcagctgtga agcatacata aataaatgaa gtaagccata 240
ctgatttaaat ttattggatg ttattttccc taagacctga aaatgaacat agtatgctag 300
ttatttttca gtgttagcct tttactttcc tcacacaatt tggaatcata taatataggt 360
actttgtccc tgattaaata atgtgacgga tagaatgcat caagtgttta ttatgaaaag 420
agtggaaaag tatatagctt ttagcaaaaag gtgtttgccc attctaagaa atgagcgaat 480
atatagaaat agtgtgggca tttcttctcg ttaggtggag tgtatgtgtt gacatttctc 540
cccatctctt cccactctgt tttctcccca ttatttgaat aaagtgactg ctgaagatga 600
ctttgaatcc ttatccactt aatttaattgt ttaaagaaaa acctgtaatg gaaagtraga 660
ctccttccct aatttcagtt tagagcaact tgaagaagag tagacaaaaa ataaaatgca 720
catagaaaaa gagaaaaagg gcacaaaagg attggcccaa tattgattct tttttataaa 780
acctcctttg gcttagaagg aatgactcta gctacaataa tacacagtat gtttaagcag 840
gttcccttgg ttgttgcat aaatgtaatc cacctttagg tatttttagag cacagaacaa 900
cactgtgttg atctagtagg tttctatttt tcctttctct ttacaatgca cataatactt 960
tcctgtattt atatcataac gtgtatagtg taaaatgtga atgacttttt ttgtgaatga 1020
aaatctaaaa tctttgtaac tttttatatc tgcttttgtt tcaccaaaga aacctaaaat 1080
ccttctttta mwamaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggccgt tttta 1194

```

&lt;210&gt; 1683

&lt;211&gt; 1014

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1683

```

acacctccaa cagactctca ttaagattca gttattttccg ctccccagcc ccacactcct 60
ttcagattat cgttcatggg cgtaagtctc ttctcagagt taacaagtct ttggtagtca 120
tcctctgtcc aaatattgta tattattaaa aggcattttt aataattacc agaattagct 180
caaaccttta gggatctttc agccatgatt attaaggata tgtatgtgaa tttttgggaa 240
acctctcggt gctggatgcc agcctacagc aggggtccatt gctggcaatg gatggcccag 300
gaaggccct agagatcact cacttgaaaa atgagggtcc catgaaagta tttggttgcc 360
ttctgatgcc acttcttctc actttacttt ttgcttattt tcaaaatatt ataaaatgtc 420
aacatataat ttcagaaagg caggtggggg taggggagaa atgaatgaat aaattctcta 480
ggtatttaga aagataagaa actgaagacc gagagactaa taaggctgct tacctaatta 540

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## 1055

```

ttataatcat ttcatttgcc tgaatgtttt aagcaggaag tagaaatact ttggctgccc 600
aaatgtatct ttgttccctc ttagaagtaa aataagctac atacaataaa aatttatttc 660
agaaccccat ttctagaaaa taccacccca gagtcctcat ttgatagcat ctgtctcctg 720
cagacctcat cattccacag tattccctg ccatgtaaaa atcctgactt tgtgcgtata 780
taaaatgtat gcaattaagt ctgtttaaat gatattttaag ttttaaagac tgtattttgt 840
tgacacatac ttgtgacagt ttttatgtat gtatgtatta taaaaaaagt taagggttaa 900
aacatctcat ttaatagtga gttcactatt tttttttttt tgtctctggg ttgtaattta 960
ataatcttca aacaaaatgt ttacgaaaaa tgccaaagat tctaaatctt aaaa 1014

```

&lt;210&gt; 1684

&lt;211&gt; 431

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (423)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1684

```

ggaaaagcac ctacaagaga gctgcatgga gctgtgggtg catttcctgt taccaccagg 60
gcatcccaga atgctgacaa agagaaaact aagaccttcc cactctgatt tgttacatgt 120
cataacacca agcaagtgcg agaggagaca attatggggc ccagaggaag gtgcctgtat 180
catgtagaca aaatccaaag cagcttggtt cagacaaaac attttgcttt ggaaactttt 240
gaaacttcca tggccgttga atatagcaga gatgatctaa aaattttaga agcgggttgag 300
gtaccctgtg taggggcaag gcatgggagt ggtgatcctt aaggggcttg tcttttagttt 360
gagggccaca cacagaggag gtgggcagaa aactgaggtc tycccagagc agcttitycag 420
acnaaaaaaa a 431

```

&lt;210&gt; 1685

&lt;211&gt; 569

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1685

```

gcggacgcgt ggggttgacta ttctgaggac aagagtagtt gggacaacca gcaggaaaac 60
ccccctccta ccaaaaagat aggcaaaaag ccagttgccca aaatgcccct gaggaggcca 120
aagatgaaaa agacacccga gaaacttgac aacactcctg cctcacctcc cagatcccct 180
gctgaaccca atgacatccc cattgctaaa ggtacttaca cctttgatat tgacaagtgg 240
gatgaccca attttaaccc tttttcttcc acctcaaaaa tgcaggagtc tcccaaactg 300
ccccaacaat catacaactt tgaccagac acctgtgatg agtccgttga cccctttaag 360
acatcctcta agacccccag ctcaccttct aaatccccag cctcctttga gatcccagcc 420
agtgtatagg aagccaatgg agtggacggg gatgggctaa acaagccgcg caagaagaag 480
aagacgcccc taaagactga acatttargg tgaaaaagtc gccaaaacgg tstyctytyt 540
ctgatcacyt tccaggaccc acccaagtt 569

```

&lt;210&gt; 1686

&lt;211&gt; 922

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1056

<220>  
<221> misc feature  
<222> (904)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (912)  
<223> n equals a,t,g, or c

<400> 1686  
cctcatagca ggcattccaac acggctgcca ggatatcggg gcccgagcc tgtctgtcct 60  
tcgggtccatg atgtactcag gagagctcaa gtttgagaag cggaccatgt cggcccagat 120  
tgagggtggt gtccatggcc tgcactctta cgaaaagcgg ctgtactgag gacagcgggtg 180  
gaggccgagg tgggtggagg gatgcacccc agtgtccact tttgggcaca gcctccctcc 240  
ataactgagt ggtccacaga tttgcactac gggttctcca gctcctttcc aggcagagag 300  
gaggggaggt cctgagggga ctgctgcccc tcaactcgga tcccctgcag agtcaggact 360  
gctcccgggg ccaggctgcc ctgggagccc ccctccgagc ccagccagcc aggcctctcag 420  
gccctgcgcc tgccctcagg ctttcttgct gcagcctgct ccagcctggc cccaccccca 480  
ggggcaggcg gccctcctg gcttctcctg tagggcacct ccctgcccct agcctcccag 540  
gaaatggtgc tctcctggcc ctgcctctgg cccttcccs ggcgctgccc ctcagccatg 600  
tggcacttct gagctcctga cctaggccaa ggggaggtct ctgccccctt ccccggccct 660  
gggctaccct tgggtcctgc tcctcaggcc gctccccctgt ccctggccat gggtaggaga 720  
ctgccctggt catggcgcc tgctgtcat tcctgactca ccaccgtccc cagggtgaacc 780  
attcctccct tctcctcagc tgcagtcgaa ggctttaact ttgcacactt gggatcacag 840  
ttgcgtcatt gtgtattaaa tacttggaat aaatcaaaaa aaaaaaaaaa aaaaaaaaaa 900  
aanaaaaaaa anaiaaaaaaa aa 922

<210> 1687  
<211> 1596  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1404)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1498)

1057

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1508)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1515)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1589)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1687

```

tcaccgggtg cgccgtctag actagtgacc ccgggctgca ggaattcgga cgagggcgcc 60
caggttcttt agtggagaa cgcgaagcga ggatgagtga tccgtggagg cagtaacagg 120
cgcggcgagg gagaagtgat tcccgaagaa tcaaggctgg gccggaccgg gtggcctggc 180
aacagggtaa taagagaaat gaagccaaca ggtacagacc caaggatctt atctatagct 240
gctgaagttg caaaaagccc tgagcagaat gtccctgtta tactgttgaa gttaaaagaa 300
ataataaaca tcacaccttt aggaagctca gagtgaaga aaatcaaaca agatatatat 360
tgttatgatc tcatccaata ttgcctcttg gtcctcagtc aagattattc tcgaatccag 420
ggtggttgga ytacaatttc ccagcttaca cagatattaa gccattgetg tgtgggcttg 480
gagccaggag aagatgcana ggaattttac aatgaattac ttccatcagc tgcagaaaat 540
tttctagttt tggggagaca attmcaaaca tgttttatca atgcagctwa ggctgaagaa 600
aaagatgaat tactacactt tttccaaatt gtgactgatt ctctcttctg gcttttggga 660
ggccatgttg aacttattca gaatgtacta caaagtgatc atttcttaca tttactgcaa 720
gctgacaatg tccaaatagg atctgcagtc atgatgatgc tacagaatat aytacagatc 780
aacagtgggtg atttactcag aataggaaga aaagccctgt attcaatttt agatgaagtt 840
atthttcaagc ttttttcaac tcctagtcca gttataagaa gtactgctac aaaactccta 900
ctgttgatgg ctgaatccca tcaggaaatt ttgattttac tgagacaaag tacctgctac 960
aaaggactca gacgtctact aagtaaacag gaaactggga ctgaattcag tcaagaactt 1020
agacagcttg ttggcctttt aagcccaatg gtctatcagg aagtagaaga gcagaaacta 1080
catcaagcag catgcttgat tcaagcctat tggaagggtt ttcagacaag aaagagatta 1140
aagaagcttc catctgctgt gattgctttg cmgaggagtt tcagatccaa acgatcaaag 1200
atgttgctgg agataaatag gcagaaggaa gaagaggacc tcaaattaca attgcaactt 1260
caaagacaga gagccatgag actttcccga gaattgcagc tgagtatgct cgaaatagtt 1320
catccaggtc aggtggagaa aactatcgg gaaatgggaa gagaaatcag cactgattat 1380
ccagaaacat tggaganggt acanggaag gaaaaatttt caccaacaga ggcagtctct 1440
catagaagta taaaagcaac tgtcacactt caaagagca agcgctttta attcctancc 1500
gaaattgncc gttangaaaa aaggaaacta ttttgctccc cttgggcgaa gggacctncc 1560
aaagaaacct caacctgaaa tgccaacgnc cccaaa 1596

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1058

<210> 1688  
<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<400> 1688  
ataaaagaag caatcacccc cacattttcc cctgccaaacc acttgccctgt accaagtgtg 60  
agctctgaaa ggggaagtct ttaagggttaa acaagtgttg aagtcttaat tttttttatt 120  
acatggactt taccaaactg actttttggtt tgtntctttt tagtggctag aagtgacccc 180  
aggatttttt tattatcaag agagactaga agaatcatga gacttttcct agttgccttt 240  
caagaatatg aagaaaaaaa tggttctcaa agtggggttg aatgagtatt gttccaataa 300  
atgaacttat attcataaaa aaaaaaaaaa 329

<210> 1689  
<211> 1273  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1273)  
<223> n equals a,t,g, or c

<400> 1689  
tccgnaattc ccgggtcgac ccacgcgtcc ngtagtaac tacttcaatg atcatttcac 60  
aagaaaaaga ctataaatta agtagaganc aacattttta ttgaacattt ttggcttgca 120

1059

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atcaaaacttt gccactaaaa attaacttca taaaacacta gtccggtatc aacttcttca 180
cagagaaaagt agctatacta taccctacat atttatttat ttattattct actatagcag 240
aataacaaaaa cttgatgcat taagccagtt ctttgcaact gaaaattacc tgtttctcct 300
tcccttttcac actccatgta tatatgatca gcctctccat taaaaagaag ctggacatgc 360
aartacatca tattatgttt tctccatatt ttatgttttt ctatgtatct gaatacagtg 420
ggataaataa ttgaaagtag tgttcctatg gcattagtggt ttttgtgaga agggtaaagt 480
tagtgagaaa ggtttttttca tggcattaat aagaaagccc ttctgtaata tatatattat 540
tttgtaaaca tttcactgaa gggccaaaag ttaaattata actaaatcac tgtgttttca 600
gaatgatatt taacaacaaa cccgtggtca aaccaaaata gtgggttgaa gtgtattatt 660
catcttttag tgcattggca attgcaaaaa aaaaaagga atttaataata aggctataga 720
gattaattca gtgtctaaca tttgtattta tttaaatagt tattgaccta tgatgacttt 780
ctagtcttaa cattttayct ttttattgtt gttgttcttc ctttcaaaga tgtggttctt 840
aataggttca ctgaatgcac agttgaggca cttctgtga caccagttcc caagtagcgt 900
taataattgg gcctgtgtca taaaatgcac ggatcattaa taactaaatg tccctgacac 960
ttttcactac agggctggac ttagtaactg accaacttcg gggggagggg tggggcaagg 1020
gggggtgggc gttagaacat gatcaaaaaa tgtctcgcgt cagggtatta tgggtggatta 1080
ttgcagacag tgctaaaaat atagagcaca agacaagttt actaaattaa aattttattt 1140
tttgagaaac tgttatttgt ataaattatc aagatttgta ggctttcctt ttgtagaaat 1200
aattgtttta tgtgccagag aatttcaatt ttgttttcaa caataaagca ttgataagaa 1260
anaaaaaaaaa aan 1273

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&lt;210&gt; 1690

&lt;211&gt; 1020

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (859)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (986)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1690

```

tttttttttt tttttttttt ttttttgkat taratttttt ttttcctagt accttccagc 60
tctaaaaaaaa tttgaaatag cataataaaa gacaaaakga aaacgaaatt ttaattgkaa 120
tattttctgk cacagcagca tatgtatatt tgaaatactg gtaacaattt taaggtagca 180
ttctgtggta ttaatatatta ttaatatgct catgaacttc taagtgccac accagacata 240
tagactcttt actttaaaag agcatatatt taaggcattg aaatggatac agctatattc 300
attctcaatt gtcttaggct attatatgga aagatatgtg tcaattatag gtaggtaggt 360
aggtaggttag attttctgga aacacagaag tacttgacgg agagttaggc ctgtattcta 420
taaattctatt aatggtagca aagtgcataa gacagggatt tctttgagat gaaaggagtg 480
ctgaagaaga gcattggaat taatatttgg atgtggtatt gtgaaattca atgggtaaag 540
taaccctaatt gtgggaataa aagtcaaggg aaaggctctg aataagtaca cagaaaaata 600
ggctaaaaat attaagggga gggaaattgg aatacaggga gacagtgtgc aagaaagcaa 660
gccaggaatc tgcctatgtg gtagacccaa ccattactac ttgaaccccc ttagaaaagc 720
ttttccagca ttccataact caggttcctc atttataaag tgggaaactc ataattgtcc 780
tacctacctc acaggggtgt tgtgaggatc aaaggaacag atgaatgtat gagcactttc 840

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## 1060

agacatgtaa ggcactgtnc atgtaacaag taggggaaag actctgggag cacattagtg 900  
ttgggtgtgt gccaaagcccg tgggttggtt ggaccgtaag ggatkatttc aagttaggga 960  
gggagggaag agaagktggg cwttgnttat taaaggttgt tgttacacac cttagggttt 1020

<210> 1691

<211> 1636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<400> 1691

caagtntaag ccccanattg ctgctctgaa agaggagaca gaagaagagg tgcaagatac 60  
aaggctttag agagcagcat aaatgttgac atgggacatt tgctcatgga attggagctc 120  
gtgggacagt cacctcatgg aattggagct cgtggaacag ttacctctgc ctcaraaaac 180  
aaggatgaat taagtTTTTT ttaaaaaaga aacatttggt aaggggaatt gaggacactg 240  
atatgggtct tgataaatgg cttcctggca atagtcaaat tgtgtgaaag gtacttcaaa 300  
tccttgaaaga tttaccactt gtgttttgca agccagattt tcctgaaaac ctttgccatg 360  
tgctagtaat tggaaaggca gctctaaatg tcaatcagcc tagttgatca gcttattgtc 420  
tagtgaaact cgtaatttg tagtgttgga gaagaactga aatcatactt cttagggtta 480  
tgattaagta atgataactg gaaacttcag cggtttatat aagcttgat tcctttttct 540  
ctcctctccc catgatgttt agaaacacaa ctatattgtt tgctaagcat tccaactatc 600  
tcatttccaa gcaagtatta gaataccaca ggaaccacaa gactgcacat caaaatatgc 660  
cccattcaac atctagttag cagtcaggaa agagaacttc cagatcctgg aaatcagggt 720  
tagtattgtc cagggtctacc aaaaatctca atatttcaga taatcacaat acatccctta 780  
cctgggaaaag ggctgttata atctttcaca ggggacagga tggttccctt gatgaagaag 840  
ttgatatgcc ttttcccaac tccagaaagt gacaagctca cagacctttg aactagagtt 900  
tagctggaaa agtatgttag tgcaaattgt cacaggacag cccttctttc cacagaagct 960  
ccaggtagag ggtgtgtaag tagataggcc atgggactg tgggtagaca cacatgaagt 1020  
ccaagcattt agatgtatag gttgatggtg gtatgttttc aggctagatg tatgtacttc 1080  
atgctgtcta cactaagaga gaatgagaga cactactgaag aagcaccmat catgaattag 1140  
ttttatatgc ttctgtttta taattttgtg aagcaaaatt ttttctctag gaaatattta 1200  
ttttaataat gtttcaaaaa tatataacaa tgctgtattt taaaagaatg attatgaatt 1260  
acatttgat aaaataattt ttatatttga aatattgact ttttatggca ctagtatttc 1320  
tatgaaatat tatgttaaaa ctgggacagg ggagaacctt ggggtgatatt aaccaggggc 1380  
catgaatcac cttttggtct ggagggaagc cttggggctg atgcagttgt tgcccacagc 1440  
tgtatgattc ccagccagca cagcctctta gatgcagttc tgaagaagat ggtaccacca 1500  
gtctgactgt ttccatcaag ggtacactgc cttctcaact ccaaactgac tcttaagaag 1560  
actgcattat atttattact gtaagaaaat atcacttgct aataaaatcc atacatttgt 1620  
gtgaaaaaaaa aaaaaa 1636

<210> 1692

<211> 835

1061

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (832)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (833)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (835)  
<223> n equals a,t,g, or c

<400> 1692  
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tcctgggatg ttagtkttaa aagaaagctc ctggagccag tgattctcag gtttgtccca 120  
gaaccctttt ttctaagccc catataaaaag gtagattaaa aaaacaaagt agcatgagtg 180  
aaattgagag agggacaggt aatgccttcc agcccctaac ttctaacaat ctggaagcac 240  
aacgtgaaaa tcackkagcc caaccctatc attttcatat tatgaaactg agtccaggta 300  
agtgaatctg tccaaggtca cccagcaagg tatcagtagc cctgagggtg aggactctga 360  
taaggctcgg gagggctcctg gaaagcctga ggcggcagga agagtgtgca gagttgagcg 420  
tgtctggaag gctgatccac tgctggggccc acatcaaagc ccccatgggg agcagacccg 480  
actgcacatg gctctttttgc tggaagaaga gcatggctgc gcagaggact aaaatttcat 540  
ctgggaaggc ttctttttgac tgtcagtagc aggatgtcac cagatgaggg tgctatggga 600  
ccacagctgt ctttgttccc attgcaactc aaccctgcr gaggccgcct gcatccctga 660  
gagccttctg gagcctacag aggagacatt ggccagccaa aaggaaagga gtggccaggg 720  
tacgacctgg agtagggaag ggaaaaagtt cccggaaaga agagaattgg atgagaggtc 780  
tcggtgga aaagggtttt ctggcattgg tcaaggaaaa aaaaaaaaaa annan 835

<210> 1693  
<211> 607  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (513)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (585)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1062

&lt;222&gt; (597)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1693

```

gtttgaccct acgtggaagc ctacaagaag gggaattctg ggcaatgtgg ttcagcccag 60
ccacatcaca tactattatt tagtagtcat gaagagagag acataggtaa aaacagcagt 120
tagtatttct tcattctgat atctggcagc aagtgagtga tgctaccatt atcggctaaa 180
atcaggaact ggtattaatg cattttgttt tgtttgttt tctgctttat tctcctctgt 240
catagacagt gaagagtaag tgaagaattt gaggggtcatc aaccattgtg aactcatcaa 300
agtttagtagc acttaaaatt tgctttttaa atgaatggaa agatkccaag ttttyaatag 360
cacaaatatt tttttctcat ttgtaccttt tttttgtctt ttgtatacag atattcccac 420
tctggccact gcccaaaggg gctcttatct gaggaatact gctgacttcg agtacctagt 480
tttacagagc catctttctg aagcataaat tanattacat tattctacag cttaaatccc 540
tcctgaactt cccatcacc ccaagagtga tctgaaacgc cttanagtgg cattcangac 600
ccttctg 607

```

&lt;210&gt; 1694

&lt;211&gt; 1273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (838)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1694

```

ggggcgagcg aggaggatgg cggagtcggg gtcctgacg gaactctaata gaatcattga 60
ttgaccagca ctattttacc agttggaatg aatgacgaga aatgggcata gtgcttttag 120
atccaacatg taacagatgg atgttactcc atgctgatta cttcttcaag ccagttacttt 180
tttgattgtg taggatcttt gtctcttcat ctttgaattc aattactgga aaataaaaagg 240
agttcatgta gtttttgtcc aggcttgagt caccatgagt agtagtttag gaaaagaaaa 300
agactctaaa gaaaaagatc ccaaagtacc atcagccaag gaaagagaaa aggaggcaaa 360
agcctctggg aggttttggg aaagagagca aagaaaaaga acctaagacc aaagggaag 420
atgccaaaga tggaaagaag gactccagtg ctgccaacc aggggtggca ttttcagttg 480
acaatacgat caaacggcca aaccagcac ctgggactag aaaaaaatcc agcaatgcag 540
aggtgattaa agagctcaac aaatgccggg aagagaattc aatgcgtttg gacttatcca 600
agagatctat acacatattg ccatcatcaa tcaaagagtt gactcaatta acagaacttt 660
atztatacag taacaaattg cagtcctctc cagcagaggt gggatgttta gtaaactctca 720
tgacactggc tctaagtga aattcactta ccagtttgcc tgactctctt gataacttga 780
agaagctgcg gatgcttgat ttacggcata ataaactgag agaaattcct tcagtggntg 840
tataggctgg attctctcac cactctttac cttcgcttta atcgtataac tactgtggaa 900
aaggacatca aaaacttgtc aaaactcagc atgcttagca ttcgagagaa caaaattaaa 960
caactacctg ctgamattgg tgaattatgt aacctcatta cgctggatgt agctcacaat 1020
caacttgaac accttccaaa ggagattgga aactgtacac agataaccaa cttgacttg 1080
cagcacaatg aactgctaga cctcccagat actataggta tgagaggaga raggagakat 1140
tgatagctgt taatagctaa ctggatatta ataggactat ttttgatcca tttggtaatg 1200
aaaattcagg agtaaaattc acaattacca aagttgtaaa acttttaaga taatatttta 1260
aaatcatttt tca 1273

```

&lt;210&gt; 1695



1063

<211> 800  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<400> 1695  
ctatgggtgtg ncctgtactg gcacttttat tctgggtttg acttgactta gattgtntga 60  
tacttttggtt ttgggttttg ttttgacctg gcttgggttt ttggatactc tgatttttgt 120  
ttgggtgtaaa ctgcaaaagt gtgtgtgccc tgtttttttg ttttgtagtg caygtgtgg 180  
gtgrgygtgg tgttttgtct cgaagaagca tgggtcaggt acaaataagc ccacccact 240  
aggaactatg ttaaaaaaaaa attcaagaaa gaatttaagg gagattacag tgttactgtg 300  
acaccaggaa aacttagaac tttgtgtgaa atagactggc cagcattaga ggtgggttg 360  
ccatcagaag gaagcctgga caggtcctt gtttcaaagg tatgacacaa ggtaaccgt 420  
aagccaaggc acccagacca gtttccatac atagaaagt acagctgctt ttatacccc 480  
ttgccccgcc aacgtagtta agagaacagc agcataagcg gctggcagag gcaaggaaag 540  
accagtagag agaaaaaaaa gccaatctata ccaattctaa gttaatttag actaaacaag 600  
gtcttaatag caaaggataa ttgaaatccc aaacttaca gggtttcaac aaaagtgaag 660  
tttgcttaaa gttaacagt taacatgtat tatggtaact tctaactctg tggccttaga 720  
cagtctagtc caaaggcata aagaaagttt gctttaaaaa aaaaaaaaaa gaatggttat 780  
cttcaaaaaa aaaaaaaaaaag 800

<210> 1696  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (496)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (517)  
<223> n equals a,t,g, or c

<400> 1696  
ccagcacttt gggaggccga ggcagggtgga ttacctgagg tcagcagttc gagaccagcc 60  
tgaccatctc tactaaatgt acaaaagtga gctgggcatg gtggcgggca cctgtaatcc 120  
cagctacttg ggagactgac gcatgagaat cgcttgaacc tgggaggcga atgttgagc 180  
gagccgagac cacaccaccg cactccagcc tgggtgacat gagtgagact ccatctcaaa 240  
aaagtaaaat aaaataaatg gattaaagac atgaatgtaa aatacaaaaa gtcaaatcca 300

## 1064

```

agaagaaaat tatgkttatc gtaggagtga gtgtgaagtt aggaaaccca aagaaacaac 360
gggcaagggg gatgaacaag cagtttacag acacggaatt cagatcgcca ggaaatatgt 420
gaatggtggt cgagtytgcc ggtattccat atgcaaatta aggcaacact gtgctcagtg 480
gctggcacag cattgnccaa ggcagtaagc gctattna 518

```

&lt;210&gt; 1697

&lt;211&gt; 544

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (505)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (517)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (543)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1697

```

cggaatagtg ggttttgctg caaccggttt attttccttc tgttttcacc cattctggca 60
caatctggcg ccacgtcctt tcttgtagg ccaagcctga aaatgcgaag cagagaggca 120
ggacaaaaat tgaggcgaat ccaggaacct gccaatgggt ctccgggtgc ggtctctgaa 180
actggaggat atcgggagga aaggctctcc gatgaggaga taatggggaa gctcttggca 240
tggttggtg taggtatgtg ataccggagg agcaggagtc aaataggata cgccgacttt 300
taattcaagg aacccttttc tgaaacactt tgccacaatg aaggaaataa ggaattgtac 360
tctcagagat gttgagaaaa gatacatggg tcttggaag ataattactc aaaatatgca 420
gggaagggat ctagtttgga agcacttaag gaagaattaa gacctccagt ttggaaaaga 480
gggcttctat caggaacaac acganttctg cttaaantgg aagccaagaa caaacctcca 540
atnt 544

```

&lt;210&gt; 1698

&lt;211&gt; 532

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (467)

&lt;223&gt; n equals a,t,g, or c

1065

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1698

```
gaagaccctg gctctctata aaacagaaaa cgcaaacttt aatattatca acaatcaata 60
tattataaga gattgcaatt tctaagtttc tacctgagtg tttcacaaat acaaactgga 120
cattttccct ttaaatgagt tttattataa aatgtacata ttgattgtaa aaacaaaaaa 180
ttcaaatagt acaaaascac ataagtaact aataaaagct ccctttctgc attaggcccc 240
tcagttcttc ccagggaaaa tgattaatag tttacattct tgcagaaatt ttttatgtat 300
aaatttttac ccaaatgaat tcattatata aattttttcc aacttagtgt ttttttacat 360
aataatagca agtttaaaaa ttgtttttca ggccangcac gggtaggtca cgcctgttta 420
tctcacactt tgggaagctg aagcaggaaa acacttgaag tcagganttc aaaacaaccc 480
tggccactgg tgaaaaccnt ctctactaaa ttacaaaatc acttggettgt gt 532
```

&lt;210&gt; 1699

&lt;211&gt; 189

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (188)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1699

```
gcaacatttg tkaaaagtag agggctaaag taacaccctt ctaagcattt gttttcagta 60
cttcctagga gtggttgcac ttgggaatgg aattgttaaa acttgatgct taggagcgta 120
tgctgactat tcactgcgtg gtgggggtgga gaggaggagg aggtatgcag ggagaagggt 180
tctgtgenc 189
```

&lt;210&gt; 1700

&lt;211&gt; 638

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

1066

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (518)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (570)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (612)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (619)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (620)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (638)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1700

```

aattccccggg tcntccccacg cgtcnttnag agagcgagag gaggttttga gagaggagat 60
tcagacactt accagcaagc tccaagaatt gcaagaaatg aagaaagaag agaaagagga 120
ttgccccgaa gttcctcata aggtacagt accattcagt tgagtctccc gtcagggtgcg 180
gtgagacttt ggtcgtgacg gttctgaccg tttccctgtc cagagttttt tctgaccagc 240
cactgaaaat cccactcccc tttatcatca ccattgatth ctataactca tgtcgtgtgt 300
atcgaagtcc gggttttgga ttaattgact gtcagcaaat tgacttctcg aactgatatt 360
tgagtctcaa ggctggtgag taaagagttt tccaaatctt ggtcatgcgg aggggtgtagt 420
tatgcggccg gagctgtcac tgagaggcag gaggggcttg gggggaaagg acgaaggctc 480
aaccaggccc ctgcatggac ctgggcacgc gtctctnct ctcactaag ttccagaaca 540
caagttggca aaagcctcag cgggcactgn cctctgggtg ggggtggggct ttctgtgccc 600
ttccttgccg tnacttcann ttgtgcacgg gttgaaan 638

```

&lt;210&gt; 1701

&lt;211&gt; 695

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1067

&lt;221&gt; misc feature

&lt;222&gt; (639)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (647)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (678)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (691)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1701

```

ggccctggtg agtgtcctca ccaaggagta tgaggacgcc gtcagcatcg ccacggcagt 60
gcttgctgtg gtcactgtcg ccttcaccca ggagtacagg tcggagaaat ctctggaaga 120
gctgaccaag ctgggttcctc cagaatgtaa ctgcctaaga gaaggaaaac tccagcacct 180
gcttgctcga gaactgggtc ctggtgatgt cgtatctctc tcgatcggag accggatccc 240
tgcagacatc cgactcactg aggtcacgga cctcttggtg gatgaatcca gtttcaccgg 300
ggaagccgag ccatgtagta raacagacag ccccttgaca ggcggtgggg amctcaccac 360
cctcagcaac atcgtcttca tkgggmcct rgtgcagtat gggargggcc arggggtcst 420
gattggaaca ggggaaagct ctcarttcgg araaktgttt aagatgatgc aggctgaaga 480
gacacctaaa actcctttgc agaaaagcat ggacaggcta ggaaagcaac tgacactctt 540
ctcctttggc ataatcggtc tcatcatgct cattggctgg tcgcaaggga aacaactcct 600
gagtatgttc acgatcgggg tcagcctggc tgtggcggnc atttcanaag ggtctgcccc 660
ttcgtcgtca tgggtgacnct ggtcctggga ntgct 695

```

&lt;210&gt; 1702

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1702

```

ccgccttgca ggtcgacact agtggatcca aagaattcgg cacaggccag agggaccata 60
gtgttgggca ctgtctgacc atgttgcat tggaaaggcta aatggggcca tgaagaaggc 120
tggaaaggac agggggtgat ggcagcctac ctggtgtccc ctacccacc tgttctcgga 180
gaaccaagtt gctacacagg aagttctcca aggtccagtt tcctttctcc caccagttgg 240
tggaggcttc aggggaagacc agagtcttg acagagaggg taacaggagg agtcggggat 300
aaacatcaaa catcaatcgt gtgtcctgat ttgggagtga ttggggggat ggggtgggag 360
agggtagttt ggtattctca tggcctgatt ttttttgttt ctattccttt tatatcactg 420
tgtttgaatc gagggggagg ggtggtaacc ggaaataaag acctccgatc ttccgccccca 480
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaa 545

```

&lt;210&gt; 1703

1068

&lt;211&gt; 1620

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1591)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1600)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1608)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1703

```

aattcggcac gagggaaactc tacctctgca gcgagtgcgg gcgctgcttc acccacagcg 60
cagttncgcc aagcacttga gaggacacgc ctcagtgagg ccctgccgat gcaacgaatg 120
tgrgaagagc ttcagtcgca gggaccacct cgtcaggcat cagagaacac aactggggga 180
gaaaccattc acgtgcccta cctgtggaaa aagcttcagc agaggatata acttaattag 240
gcatcagagg acccactcag aaaagacctc cttagckagg ccccatgtga ggagatctgc 300
tttcagccct cacctaaggg aggtgaggaa gaggaaaagc cctcttgta gcctgggaag 360
accttttcga gggagtctcc ctgacctgct cagatctgac attacctctt cctgcaacta 420
aacacgagcc tgggcagaac ctctcagcct tcctctacgc cttgagggga tgtttcatcc 480
aaagtacaac ctgaattgag gcttctcctt cactggagtg cacctgcctc tacctcatgg 540
gtataaagta ggagaactaa gagacttaag aggtcgtggt tcctatatcg tccaaaaaat 600
aggctgttac atatacctaaa gactgctcaa cagcttcaag ttgaaagtgg ccaaggacag 660
ccccttaggt ttgggaaggg acgagcctga aggattctgt ctttactggg gtcaaactct 720
aaagcacaca gctctggact caagacagga ggtttgcgtc ctgatggcct tgcaacatt 780
cacaggataa ctgcatagat ccctcgtctg ctgattcact tcttaccatg cactttcctt 840
tgatgctgag gagaaatgga agtgggcgaa aaatctcaag gctgcttcat gtggaccttg 900
tcaagctgct ccctcccccga gcgtcaaatt gttatcaggt gccaaacact gctagaaagg 960
agggcctagt cagaagcctc tttccatacg agttttggtt ttgtttttta tatttttttc 1020
tattaaaata ctcatgcatt taaccttccc gttattcaac cagtctcttg gttgcatccc 1080
tagcacttct actacaagtg agatggtagt gtttgagtgc ttattgagta aagcataatt 1140
cggtcataat gaaatcgttc acattccctc atatgcacaa gccaccaaac cccttcacac 1200
cccccttcac aggggtcgta tgagtaaggg gatttgaaa ctgtcaactt acaaaggcac 1260
tataacaatt acagaatcat gattgccatg ggccacttta tttacatgaa gacaactgga 1320
gaacgactaa gaccaaatta tggaaaataa gaaaaagctg ttgctggcaa gaccatcaag 1380
actgttctga caccctgtcc ccctcatccc tgactgagta ctctgacatc acggaaagtg 1440
ttgaacctgg gacctgagg aattcaccag gagtaaattg ctttcatgta tttgtgttgt 1500
ttgctttttc ttacgtggat tttatgttca taggagctag gaaagtagcc tcttctggtg 1560

```

## 1069

ggccccaaca ttcttcttgt ttgcccgttt naggggtccn ttgggagntg gagggcttga 1620

<210> 1704

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 1704

tgcacccgcc	cctgggaaag	atgctgatag	gtcttgctgg	ctacctgagt	ggatatgatg	60
gtaccttttt	gttcagaag	cctggggata	aatatgaagc	atcacagcta	catgggaatg	120
aagaaggagt	kaaggcttcc	tgacttgaaa	tgggactgac	tgaaccctgg	ggccacactt	180
aaaccagaaa	tggttatagt	tagcagccct	ggcgtggtgg	gcaggtgcaa	attaaagggg	240
actttgggtg	gtggagggag	aggggaggat	gattcagacc	cttcccctgt	gggtgttagg	300
attactcagg	aactgaggtt	naggaagaa	gggnagagga	ggttgcaatt	attacaggga	360
tgacatagtt	agaaggcagg	cacgcatttt	tcaccgttng	ccctg		405

<210> 1705

<211> 1592

<212> DNA

<213> Homo sapiens

<400> 1705

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cagatcattg	cagcggatga	gatggggcta	tgacagaagc	ctcaggctcg	tttctctctc	180
cctcctccag	ccccctcccc	gcttcagacc	cattctcttt	gcagctgggg	ttcctaccct	240
accctactcc	cagctccttt	tccccgcgga	tggagagatg	gactctgctg	cttaccacc	300
cactccccctg	caggggggtg	aggactgatt	cagctactgt	atccccactg	ctgtgactgg	360
aaatgggggt	ggggagtgac	tggtcttttc	aaccctgggg	agttgaggaa	aatgtctgct	420
ttcacttcag	ctttcatttg	aatactgtga	tctgggtttt	attttgaaat	gtataaaaag	480
caaaccacgc	tacaaaggcc	ttttcaccct	tccactttgt	aactaatccc	agtctcttct	540
catcactcct	cctcttacag	tactctgcta	ttcatgctca	tttcatgttc	ttaatcttct	600
ttcctgttta	aaaatttttt	tttgaaaaaa	atltgaaatc	atggctcttt	tttctgctga	660
atatattcta	tatatatat	atatataaat	tatatatata	tatatacata	tatatgtctg	720
gctacctcgt	tttagtttac	tttttttctg	aagccctgga	attctacaag	agagatatatt	780
tgagactgaa	acatgtttgt	gcctagactg	gaaagatgcc	cttgggtttg	tccgtctttt	840

## 1070

```

tgtgttggck tcttcccagc ctccatccgt ccagtgtgcc ccacttccac attctggcta 900
taatttcctt tttctccttg ttcattggga tttgaggacc tatttctaaa tcttaattta 960
tagcacaaat atgtgggagc aatgagagtt gaaccgttgt ttttgttga gatgcagatt 1020
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gagtttgtgg gttttaaaaa attccgtttc taaatggagg aatagatgac tttctttctt 1260
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1592

```

&lt;210&gt; 1706

&lt;211&gt; 1442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1706

```

aaaaaaaaactc tctaatacagt tgtacacaca ttgaaactta tagccatggc cagatttttat 60
gctaaaaaatg gtagtttgtc aaagacaaaa ttctcttaga atctaatacca acttgccagc 120
cctgagaaaaa tccctttttaa ggccaaggaa agctgaatgc tagcagccag gcctgtggta 180
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cccttgttgg gttcatttga ttgtttaaca caggatgtgt tgtgtcattc tgaagttttt 300
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tctcactggc cagagacacc ggtgtgtcaa gcatggatat tgcattgcaa gacttgaatc 420
tataaaaaat agaatacacac agtcagtact acaagcaaaa cagagaacct gaaagaaggc 480
gcacagactg taagaaaaaa cccaagtttg tgatatttca gtgattccaa agaacattct 540
aggttttttg tttgtttttt tgttttttgg gttttttttt tttactgcag aaaattgggtg 600
gtatttttcac attcatagtg tttctatcca atttcagtac ccacatttaa tgaggaaaaa 660
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tggtat tttag ggtat tt tca aggtaccatc aaatcagatt tctgtttttt tgttaaaaaa 780
aatttttttta atcagtattg tttttacaag taatatactt tgaaactctt gaactaatag 840
tctcaaaaac tctagaggac agtctgagaa cacgtatttc tattgttcta aataaataca 900
tgtttttgaa tagttcaatc atgaattatt gactatgtct tcatcaaaaag tgttaatccc 960
tctcagggtc tctgggtgaag accttcaaga gtttggtttt ttctcccagg aaattggaag 1020
gtagaattgt aaattcatag aacttctttt ataatggtgt acctcagcag ctgcctttca 1080
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aatatatata tatataaata tatatgtagg atacatgttc tcttcttttag cttgtgggtg 1380
atacagtaat ttgcattgaa gaataaaaaca tctgttgcc tttttgacta aaaaaaaaaa 1440
aa 1442

```

&lt;210&gt; 1707

&lt;211&gt; 808

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



1071

&lt;400&gt; 1707

```

gtttcaggtc tttgtgtgtg gctttcttaa agccctgttg taaaaaatta ctatgtggat 60
ggcagttctt cacatcacag atgtggaaag tataatttta ttttgtatt ttcaaataaa 120
taagtttgtg aaagggtttcc atcctctact gtggtccaga aagatgcttg agatatatat 180
atakatagat acatatatat gtatatatat aaaaaaata ctactacaa aagttccaga 240
gcctccctcg aaggttctct actactgtat tctgtacata atgtaccatc ccatgtggaa 300
tctgtgagtg tcctcttaag tagcgtgggc tagccaatct gccgttcag gtgtattgta 360
aactccgaat tccatatgta ataggatgca agtctaagcg tttcatgtgg acataaatgt 420
atctaaataa aactttccct agcactgtgg ctgacctcac cttactttt atactttagt 480
atgaaactga tgagaacttt ggtagtgagt atttttttta tatatatata tatatatgta 540
ctatctatat atatatctca agcatctttc aggtctttgt gtgtggcttt cttaaagccc 600
tgttgtaaaa aattactatg tggatggcag tctctcacat cacagatgtg gaaagtataa 660
ttttatattt gtattttcaa ataaataagt ttgtgaaagg tttccatcct ctactgtggg 720
ccagaaatca atgtgtttgt ctgacaaaaa aaaaaataaa ataaaataaa ctgttttgaa 780
aaaaaaaaa aaaaaaaaaa aaaaaaaa 808

```

&lt;210&gt; 1708

&lt;211&gt; 1055

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (996)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1010)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1025)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1030)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1708

```

gataaatcta tcaagaataa agcagaacgg gaaaggcgag tcaggaggtt aaacagcagc 60
aacactaaaa agtttctgga agaaagaaag agacttgcca tgaagcagtc caaagaaatg 120
gatcagttga aaaaagtcca gcttgaacat ctagaattcc tagagaaaca gaatgagcag 180
cttttgaaat cctgtcatgc agtgtcccaa acgcaaggcg aaggagatgc agcagatggg 240
gaaattggaa gccgagatgg accgcagacc agcaacagta gtatgaaact ccaaaatgca 300
aactgaagca gcaaacccac aaagcatcaa aagactcact cacaaacttc tgaacacaaa 360
ctccatggat gaaagctggt tttttgttt cttttatgtg taaacaagat gatattctgaa 420
accagagaga cttggaatgt ctgactgact tctatttaac agcttgagta ttgcatttcc 480
ttggccaaac aaaaatagct acaaaccac aaaaatttac tattccagta aggcagagtc 540

```

## 1072

caaccattga taatacaact taaacatggt tgctataaaa taccatcaca agtaaatgag 600  
cttgggtgtga acaactctcc tttgtgatgc cttaggacat gtttgaactg cagcaaaaaa 660  
caaaaacaaa aaacagtgc ttagcaattt catagcaagt gcatgcacta ggaaaagaaa 720  
actctgtcta caagtttatt agcagaagtg gtggtctgct agacaaataa ttttgcaaaa 780  
tttttctaca tetaagttac ctcatcagta agtgccatgt ctctaccatg ccatcagagg 840  
ctaatttcct gtaaaagttg tggaaattgt tagamcaata gaaaaataga gcagtgtatg 900  
tgtgccaaac tcatcattac tcaagggaga ctgtgttagg acattaagaa gttacactgr 960  
catgctttat aggattgttc tgcmgttccg gtattntatt ccacctaagn tttgagtggg 1020  
attgnaacgn tgtaatgtgc ccagataagg ttatc 1055

&lt;210&gt; 1709

&lt;211&gt; 1044

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1709

aaaaatcttc tagaggaaat actcaagcaa ctagtcatc ttttgatgct agagtgcctaa 60  
cgcagttgct cctgaattca gaccacagat ccacagccac agtccagata tgtagcgggt 120  
ctgtaaacct taagggtgct gtgaaatgca gagcttata ccacagcagt aaacccaaaag 180  
ttaaagatgc tgtgcaggca gtaaagaggg atatatgaa cacagttgct gatcgttgtg 240  
aaatgctatt tgaggatctg cttttgaatg aaattccaga aaaaaaagrt tctgaaaaag 300  
agttccacgt cctcccttat cgagtccttg tcccccttc tggatccact gtaatgttgt 360  
gtgattataa atttgacgat gagtcagctg aagaaatcag ggaccatttt atggagatgt 420  
tggatcacac aattcaaata gaagatttg aaattgcaga ggaaacaaac acagcttgta 480  
tgagtcttc tatgaatagt caagcttcac tggacaacac agatgatgaa caacccaaaac 540  
aaccaattaa aactacaatg ttattgaaaa ttcagcaaaa cataggtgtg attgcagcat 600  
ttacagttgc agtccttgct gcgggtatct cctttcatta cttcagtgat tagggtgagg 660  
cacaaagagt ttcttgatca tccagagaac attgacagac aattatgaat aataaagatg 720  
ttaacaatcc atctgtatct aaaacactag cagccagatc tgctgccatg atgcctatct 780  
ggtgtgtttc tgattaaaat gaaatcacaa gctgccttgt ttagcctgct ttacattgta 840  
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cattattatc tattttttaa agcttcaaaa tgatgggata tgatcataga ttttagtctt 960  
actaatctga atcacatatt aatcaggaca ttaaaaactt taacagaggc atgatggctc 1020  
acacggtata atcctaattg tttg 1044

&lt;210&gt; 1710

&lt;211&gt; 895

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (863)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (883)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1073

&lt;221&gt; misc feature

&lt;222&gt; (889)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1710

```
aattcggcctt cgagcggccg cccgggcagg tgttctaaag ggggatggcc aaggggtgac 60
atcttaattc ctaaaactacc ttagctgcat agtggagag gagagcatga agcaaagaat 120
tccaggaaac ccaagaggct gagaattctt ttgtctacca tagaattatt atccagactg 180
gaatttttgt ttgttagaac acccttcagt tgcaatatgc taatcccact ttacaaagaa 240
tataaaagct atattttgaa gacttgagtt atttcagaaa aaactacagc cttttttgtc 300
ttacctgcct tttactttcg tgtggatatg tgaagcattg ggtcgggaac tagctgtaga 360
acacaactaa aaactcatgt cttttttcac agaataatgt gccagttttt tgtagcaatg 420
ttattttctt tggaagcaga aatgctttgt accagagcac ctccaaactg cattgaggag 480
aagttccaga accatcccct tttccattt ttatataatt tataaaagaaa gattaaagcc 540
atgttgacta ttttacagcc actggagtta actaacctt cttgtatct gtcttccag 600
gagagaatga agcaaaacag gaatttgggtt ttcttttgat gtccagttac accatccatt 660
ctgttaattt tgaaaaaata taccctccct ttagtttggtt gggggatata aattattctc 720
aggaagaata taatgaactg tacagttact ttgacctatt aaaaagggtg taccagtaaa 780
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaa aaaaaaaaaa aangggcggc cgttttaaag ganccaagnt tactt 895
```

&lt;210&gt; 1711

&lt;211&gt; 1614

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (353)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (366)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1606)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1614)

&lt;223&gt; n equals a,t,g, or c

1074

&lt;400&gt; 1711

```
tggggatgaa aggatctctg agaccacaga ggctcagact cactgttaag aatagaaaac 60
tgggtatgcg ttctatgtag ccagcagaac tgaagtgtgc tgtgacaagc caatgtgaat 120
ttctacaaaa tagtagagca taccacttga agaaggaaaag aaccgaagag caaacaaaag 180
ttctgcgtaa tgagactcac cttttctcgc tgaaagcact aagaggtggg aggaggcctg 240
cacaggctgg aggaggggtt gggcagagcg aagacccggc caggaccttg gtgagatggr 300
gtgccgcca cctcctgagg atactcttgg agagtgttgc ccccgagggg ctntgscac 360
nctggnagaa ggaagctgcc tgggtgtggg tgactcaaat cagtatacct atctgctgca 420
ccttactctc ccagggtaca tgctttaaaa ccgaccgca acaagtattg gaaaaatgta 480
tccagtctga agatgtttgt gtatctgttt acatccagag ttctgtgaca catgcccccc 540
agattgtctg aaagatccca aggcattgat tgcacttgat taagcttttg tctgtagggtg 600
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gaagcctgcc tgggaagagcc gagcacctgt gcccatggct tctggtcag aaacgagtta 840
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gaacagattt tgctaagaca taatctagtt ttataactca atcatgaatg aaccatgtgt 1200
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atggtacaat cttagtgaat gggaattgga atcaaaagag tttgctgtcc ttcttagaat 1440
gttctaaaaa gtcaaggcag ttgcttgtgt ttaactgtga acaataaaaa atttattgtt 1500
ttgcactaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangggg gggn 1614
```

&lt;210&gt; 1712

&lt;211&gt; 530

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (517)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1712

```
aattcggcac gagtagatat gaagatacca ccaccaccac caccgctatc catacctagc 60
```

## 1075

```

ctaaagatgt agagccctct gctggggctg aggaggagct gtgggggtgct ttctaagtag 120
actttccacc agcccgctctg gtttgtctag tcccattttc accccacatc cagagttact 180
attattacca actcctgagc atttgcagga ttctgtagta tgaattggga tgcttcttgg 240
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gaagcagtgg taaatgcatg tattattctg tcatctaagt gttcaatggt agctcttctc 480
ataagtgggg atgttaggnc tcagttgctt tctctgntga aatgaggngg 530

```

&lt;210&gt; 1713

&lt;211&gt; 728

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (572)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (625)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (724)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1713

```

gagaattgag gttgcaaggc tggctaactc agctttgcct tcacgagccc tagaggccag 60
ccgaagatgt tctgcaggtc agggagacag gaccaggtaa cccagctgty actgaagatt 120
atatagagtt tgagaatggt ggaatatttg aaaatgctcc cccaaaaaag ctgctgatga 180
gttctggaaa tgtcaggaga ttaatctata cggacactgc tgaagaaaaa ggtagaagaa 240
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ctttggccag aaagctgtat ccaaaagaca gagaagatga gaaacaggga gggcaaaggc 360
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atttagatga atgtttttgt tcactggtga ctcaggtaac acgtcttnca agaagccata 480
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ctagatttcc cttcagcctt gatgnatttg gactccccag aaattccgaa aagaaaactg 660
agttccccac aaaagctctt gttctgatcc tgggagcttc gccagcccca gttccaatta 720
atcnttcc 728

```

&lt;210&gt; 1714

&lt;211&gt; 1595

1076

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1592)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1595)  
<223> n equals a,t,g, or c

<400> 1714  
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actcagagga gagagataag gaaggaaagt agtgatggat ctcaccccaa acttggccgt 120  
ggaaacctgg cttctcctgg ctgtcagcct gataactctc tatctatatg gaacctgtac 180  
acatggactt ttttaagaagc ttggaattcc agggcccaca cctctgcctt ttttgggaaa 240  
tgctttgtcc ttccgtaagg ctattggacg tttgacatgg aatgttataa aaagtataga 300  
aaagtctggg gtatttatga ctgtcaacag cctatgctgg ctatcacaga tcccgacatg 360  
atcaaaacag tgctagtga agaattgttat tctgtcttca caaacccgag kcctttcggg 420  
ccagtgggat ttatgaaaaa tgccatctct atagctgagg atgaagaatg gaagagaata 480  
cgrtcattgc tgtctccaac cttcaccagc ggaaaactca aggagatgtt ccccatcatt 540  
gcccagtatg gagatgtrtt ggtgagaawc ttgaggcggg aagcagagaa aggcaagcct 600  
gtcaccttga aagacrtctt tggggcctac agcatggatg tgatyactrg cacatcattt 660  
ggagtgarca tcgactctct caacaatcca caagaccctt ttgtggagag cactaagaag 720  
ttcctaaaat ttggtttctt agatccatta tttctctcaa taatactctt tccattcctt 780  
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agtaaatctg taaacagaat gaagaaaagt cgccctyaacg acaaacaaaa ggtaaaatct 900  
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cttctctgag aattgagggt gcaaggctgg ctaactcagc tttgccttca cgagccctag 1440  
aggccagccg aagatgtctg caggtcaggg agacaggacm aggtaaccca rctgtcactg 1500  
aagattatat agagtttgag aatgttgga tatttgaaaa tgctccccc aaaaaaaaaa 1560  
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa anggn 1595

<210> 1715  
<211> 591  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

1077

&lt;400&gt; 1715

```

aaagtagggg cccgaattcc cgggtcgacc cagcggtccg cttgctagtg tcccctgatg 60
catgaaggat cccccatgt cataggtccc acctgcctgc tgtgcatccc gggtagccag 120
actcggcttc tccaggtgca cttgtcccag gtggcccggt ccgtangctg raagggcagc 180
tgcaggtgca ctgcctcgcg gacaggttag gatatggcca cgcagccatc catcttctac 240
agcacgcaca cccactctc tccccagtc aatatgtctc tctccgatgg gaaagttaat 300
aaattttgct ctagattaaa agtattgaty atttcatttg taaacgataa ataaaaagg 360
ggaacttttc attgcgccag gggtaggcacc tggcgtgtgt tgcgggggtg attgcgctgg 420
ctgccggggg gtgggcttct catatgcatt ctggccggcc agctgcattg atttcctatt 480
agtctcccag caccacccag taacacatca tttcagtacc tgctattaat ggtcttttga 540
taaataatca cttgtaagtc aataaatttt tattaacagc taaaaaaaaa a 591

```

&lt;210&gt; 1716

&lt;211&gt; 1974

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1716

```

tactttttatc tttcaaaaca aattcactaa aaataacacc tattgatttt gaagtcactt 60
ttctcaaacc ttgaaatga gctctaggat ctctataaac atttctaaca cttttctgt 120
agtttatata gacagacatc tgttggttaga cctgtgtgtt tttaaagaat catatgttaa 180
caaataccca tgcaaagagc ttcaaaaagt gaaaccgtgt taaaggaaca caatttttct 240
cactcagaca tatttgttta ttgaattgca aagttttatt ttaaatcagc atttcccaa 300
agaatatatc atatgacgct agttccaagg ggcttgactg agtgggtgtt tgctggggg 360
agacaggggt ttgttaatac actttactaa atactgagct gaaaaatgtt aaatagattt 420
cacgattgcc tccttgaaga ttttaaagtt cattgtgggt cttcaaggcg aaatccggtg 480
aaccattcct cacacttacc tacaggactc ttttctaata gagcatcttg tgaagctagt 540
gggttttttt gttgttggtt tttgtttttt ttttttaata ctttagaaaa cacagcttta 600
ggatattgac tttttgttta tttctatttt caaatgctga aaagtcaagt cccagtttga 660
ataccataga aaagctttga tgcatttgta aattatattg cactctttca ctatatattt 720
tcaaaatcac tggaatgttg ttatacaaga gaattataat tgtgtattgt aaataacata 780
ttaaaataca tatattaatg ccaatagtta aattcaacaa tatgtaatct aagggtgctcg 840
gttctacatg aagtatgagt taactgctca taattaagtt gccaaagattc tattatatat 900
ttatagacaa attaaaatga tcataattac aaatatgrtt tctttatcac ttaagctttg 960
ggctgattaa tatctgtgtg ggggtcaatg gaaactacat tctctacatt tataaacatt 1020
aatttaatta ttatattttt aggaaaatat atttgaataa aattaatgca ttttctagag 1080
taaattaaaa tgttatttagc aagaaataga aaatttgact aagataattg tgtatatgaa 1140
tcatttttcc cccaagttaa aatgtatcat aatagagagg ctctaataa tcaatttcca 1200
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gctcaatccc atgaattatt aaatttacia tgtttgtccc caaatgaaaa ccaatataaa 1440
tgaatgatgt tttaatctgt actttatggg aagttgccta tttgtcagta gatgtgggtta 1500
agtgagtcct ctggtgcagt gacatccttt taagccatct catagggatt taaagaaggc 1560
caataggaat atagatatgt gtttttcttt ctctgacttg aactaagtag gagaaaccaa 1620
accataaacc tattacaaac taccaggcca gaggcattta cttaattcat caactagtgc 1680
aattaaaacc ctgaaaacac atgatccttg ttgactctgc ttggttgaag caggaaagaa 1740
tggtcttgat ggtcagaaag ttttaaaatt aatggkcagg gcctttcttg accctgtttt 1800
ccaaacacgt tagatatctc gtcttgaggg gattggagta ggctacagtg agggggtaat 1860
ttttggatgt atctggactt ttaaaaaatg tgcctatatt tatagcacca tgaatattat 1920

```

## 1078

gtaaaatttta tatatgaatt aaataaatat tcmctctga aaaaaaaaaa aaaa 1974

<210> 1717

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 1717

```
cganacntcc tcactaaagg gancaaagct ggagctccac cgcggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagc ttctttctcc cgcgcttcct 120
tgtactgtgc attcctcatc aacgatggct tctcggactc cacgaaactg cgctgtactg 180
aagggcgaag tggatctgac cgcactggcc aaagagcttc gagcagtgga agatgtacgg 240
ccacctcaca aagtaacgga ctactcctca tccagtgagg agtcggggac gacggatgag 300
gaggacgacg atgtggagca ggaaggggct gacgagtcca cctcaggacc agaggacacc 360
agagcagcgt catctctgaa tttgagcaat ggtgaaacgg aatctgtgaa aaccatgatt 420
gtccatgatg atgtagaaag tgagccggca tgaccccaty caaaggaggg cactyttaat 480
cgkccgscag accccagatt actacagatt tctccatcta gcgggaacaa cagtgcacatc 540
tgtggggggg attttctctg 559
```

<210> 1718

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (778)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (830)

<223> n equals a,t,g, or c

<220>

<221> misc feature



1079

&lt;222&gt; (831)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1718

```
tgtgtaatat gttctgtgtg agcctctgca ttaaactcga tttcttgggc aattatggaa 60
attccagtggt ggctgcagtt taactttgca ctctctatgc atatgaggtt tcctaaataa 120
atgaggagta gcatagttta aaatatatat atcttataac tttctacaac aaagaattat 180
tgagtccaaa tgtcatcagt gctcattttg agataccctg ctatcgatgg tcgctacaaa 240
ccaggaaata ctcaagttat tatgtgtata cattgggtttt agtttttatga aacaattttac 300
cttcatgata tcatagttta aattgtaata aatttaggaa tataaaggat caatatggga 360
agcaaaatct cttaaaggcag tttctgttgt tttaattagt atttgtgtag ttcaaaccag 420
gaaggatttg actatcatta gattttgctt aactttatga aagctaaaat attctctgtt 480
ataaaggggc aactccatct ggtcctatag catctttact actgattttt ttttktttta 540
tttgaatg caaagaattg ttaaatgttc ttaaatgttc tcactacaaa aaaagaaaaa 600
agataactac gtgaggtgat ggatatgtta attagctgga ttgtggtaat cattttggaa 660
tgtatatgta tatcaaaaca ttagtagcac cctaaatata tataattttt atttgtcaaa 720
tatacctcaa taaagatgga aaaaaatcga aaaaaaaaaa aaaaaaaaaa aaaaaanaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naac 834
```

&lt;210&gt; 1719

&lt;211&gt; 806

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1719

```
gaaaaaagaa aaattgaaga acataacttt tctacttatg aaatagataa ttttttaaaa 60
ttgtttaaac tcttggaat taagtgttat tttttattac tgcagttgag agataccttt 120
tcagaggaaa acaagaggct aaattccatg ttaagagcta agtagtattt ttttcttaac 180
aattttgcca aaatttcttc tactggacca aaaggaaata aatctacaat aaatctactt 240
tctaaatatt atttaagatg ggaaatgtct tttataggta tattctgtat aataccctta 300
attagatgaa ttatccctta tcattccaaa aatgaaatgc tgtgttaa atctccaggg 360
caaagtggta tgttgactgg gacaaacgtt agaaattgta ttgttcattg cacttggtgc 420
cctgttcccc aagcttgctc atgttttagag atactattcg ggttgctaaa gccattattc 480
atagaaaatt tctgccccta cagaagtgtg tgcattggcc ttggaaaatc tacatgtgta 540
tatctgagta gcaagcacca gattcactct aattgaaagc agcagtttgg ttttgtaaat 600
gtaattgcaa ttgacacttt cttttccctt tcagttatta ttttttttaa aggacgttat 660
gagaaggcac tatgaaaagc ctaattggaa tagcattatg aaccatgtaa tgcattgcca 720
tgcacactgt gatttgcaaa catatgtccg ctcttcaata aatgttacgg ctttccaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaa 806
```

&lt;210&gt; 1720

&lt;211&gt; 505

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (387)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1080

<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (503)  
<223> n equals a,t,g, or c

<400> 1720  
gccagatcta tttgcacatc gagaggttcc tctgtccctg catgggctca gtgaccttat 60  
cccacctcac tcccaattcc aggtagttag gcaggatgag gctgctccca gccactgcc 120  
acatccagat tcagctgctg agtttatccc acaggaaaga ggtagcactg acagcgtgca 180  
cgctgtggg tgacgcatga tcctcaggag cagttcacca tgcgctgagc agggccagta 240  
ggaggcagct gtggaaggcc aggtacagca gttcatggt caccaaataa gcctgacact 300  
caagcagaca gcagccaccc ccatgcagcc tcagctgcag ggccccaggg ttgctggcta 360  
cggcaggagc agcttcagtc atacgtnttg cacaggcacc catctgcctg aaccctgac 420  
cctgtgtgtnan gcaaaaaatg ttattttaga aaaaaaggga aggttttttt aatactgacc 480  
taacttttng ttttattaaa ctnaa 505

<210> 1721  
<211> 679  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<220>

## 1081

<221> misc feature  
<222> (637)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (649)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (655)  
<223> n equals a,t,g, or c

<400> 1721  
gagntcagcc tcactaangg aacaaaagct ggagctccac cgcgggtggcg gccgctctag 60  
aactagtggg tcccccgggc tgcaggaatt cggcacgagg tccggcgggc cgcgcctccc 120  
gcaggcccg aagacggccg ccttgccccg gaccgcggc gccggcctct tggagtcgga 180  
gcttcgcgac ggcagcgga agaaggtagc agtagctgat gtgcagtttg gccccatgag 240  
atttcatcaa gatcaacttc aggtactttt agtgtttacc aaagaagata accaatgtaa 300  
tggattctgc agggcatgtg aaaaagcagg gtttaagtgt acagttacca aggaggctca 360  
ggctgtcett gcctgkttcc tggacaaaca tcatgacatt atcatcatag accacagaaa 420  
tcctcgacag ctggatgcag aggcactgtg caggtctatc agatcatcaa aactctcaga 480  
aaacacagtt attgttggtg tagtacgcan ggtggataga gaagagttgt ccgtaatgcc 540  
tttcatttct gctggattta caaggaggta tgtagaaaac cccaacatca tggcctgcta 600  
caatgaactg ctccagctgg agtttgagga ggggtgcnatc acaactgana ctcanggctt 660  
gttacttaag tattcactg 679

<210> 1722  
<211> 619  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (530)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (562)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (595)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (613)

1082

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1722

```

gcggaackcgt gggaccgagc ttggttaagca gaatagaaaa catccagaat gacatcagtc 60
tggttaagctt tgaaggaaac aaccaaagat ggtcaacaca actgcttggt cttttattta 120
ccatttcaca cctggtgcag tcaggaagct acatttaaaa aacaattttc tctttaaaaa 180
gaaaaacaac ccgtagtcaa aaaagcactc atttgccata aagctggaag gattcattca 240
ttggagctga ttgttcacat ttgtagaatt tagaattttg tggttggaag gggccttaga 300
gttgaataag gtcttcaaaa ggaaacaaaa ggctcttgct ttctgtatga acagagttta 360
ttcacaagtc agttttccgt gatctatgag gagtgtttc agacaattag ctaattgggt 420
gaggcaggtg acctatcagc tctgkararg ggatgkttgc tcttagggat ctacmtaaag 480
aacatatctt acacttityca tgacagtcaa aagcagcccc attaatacctn ctatgkaatg 540
gccagtcata accacagatg angagtgcac ttcataaaaa cccttaacag ctgtnaacag 600
ttgatcactg gcncatta                                     619

```

&lt;210&gt; 1723

&lt;211&gt; 852

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1723

```

ggttactttc ctgcgattat aattcttcct tgactttggt cacttttagat gttttactag 60
tgagttttga tgactccac cccttatgtg agaatgtgca tactttggaa acttgaattt 120
atccaaacaa gctacctatg acttagagtt tgggcataag ttttaaattc aatgctcaag 180
tcgaactgga tctggtccag gccactcca aggggtggtt caggggtggt ttttcagkac 240
ttgtcccaga ccacacaggt agscttgktt ctgarggcag ctttatgggr aggtgtagaa 300
gggtggtgggc agcaaatgca ctgcagagtc atttctctgg gtatggtggt taagaagcct 360
gagattttca caagaaccag caaaaccagg agtggagagt tggggagata gagaagtagg 420
cctaaaactc cctcttcttg agtctttttt gacttaatac accattgggt ctgtcctggg 480
gctatggcct atcacaaagg actgttttaa gagagaagca agccacagcc ttgccagata 540
agtctccaac accagcagaa aagcacggac cctgatctgt gggaggcaag ggtctcccat 600
tatttctgga ggcaaatggt gccttctagt gaaatggtgc caccatttgc tgatgggggt 660
gcctgttctc aggatgtgtg gaaactcagg cctgaggggt tctacatggt ttattcaatc 720
taactgcata cctagcttgg cagaatggag gtggacaaaa gtgctgaaag gatgagggtg 780
ggcttttagg gcaaatcaag tcacaaagca gatgattgag ggaggttaca aagcttaggc 840
agagttaaag tt                                     852

```

&lt;210&gt; 1724

&lt;211&gt; 697

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1724

```

catcagaccg accagcccaa gaaacatctc accaatttca aatctggcac ccaactggaaa 60
tcagactgcc cagctcgccc gacagccact cctggagccc ctaaagctct agcccaaggc 120
tctctgactc cttcccagat ctattcggtc tagcgactga agattgacgc tgcccgatcg 180
cctcggaagt ccctggacc atcacagaag cagagcttcg ggtaactctc acagtggagg 240
gtaagtccat ccctgttta atcgatacgg gggctaccca ctccacgttg cttctttttc 300
aagggcctgt ttcccttgcc ccataactg ttgtgggtat tgacggccaa gcttcaaaac 360
ccctgaaaac tccccactc ttgtgccaac ttggacaaca ctcttttatg cactcttttt 420
tagttatccc cacctgccca cttcccttat taggccgaaa tattttaacc aaattatctg 480

```

## 1083

cttccctgac tattcctgga gtacagctac atctcattgc tgcccttctt cccaatccaa 540  
agcctccttt gtgtcctcta acatccccac aatatcacc cttaccacaa gacctcctt 600  
cagcttaate tctccactc taggttccca cgcgcacctt aatcccactt gaagcagccc 660  
tgagaaacat cgtccattct ctctccatac caccccc 697

<210> 1725  
<211> 468  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<400> 1725  
ctgtgagggtg aggcaggtgt ctagattccc tactcagctt acattaagtc caaaatgtgg 60  
ggacgtctctt tattactgcc tgggtggggat ggaagtccat tgacactgct gggagaagga 120  
ggttcagtctt ggccagtttg gatgaaagtc ttagctcccc acttgggtctt ccctgacacc 180  
actgcagtggt ggtgttgggg tgccccctta cagccttttg agtgtgggat tctaggatcc 240  
ccacttgacc ttccctgggtg tgggcagagg ttttttcttt ggtgtctgtt gggagtagag 300  
cagctgtcat ctaaaagttt tctgtcttgc tgggacgtcc tgttctgggc ctttagctag 360  
agagagcatt cttttgttag tactttttwt gctgtgtctg ttggcattty catgttgctg 420  
gctttttcaa ctncactct gggatatatg ntgtaaaaag aaaaccca 468

<210> 1726  
<211> 482  
<212> DNA  
<213> Homo sapiens

<400> 1726  
gattgaggcc aaagttataa agatgggctc tcgatctact aatattagta aaatggggtt 60  
gggacttact aacatttgtg cttagaagag acagacctgg caaagagctt ggagaagtga 120  
gttccaaaga gagaggtgtg ggaaccagga tggaaagagtc aggcctccag atagcgttta 180  
cttctccttt ctctccttgaa tctactgtctc asagataatt aggttcagaa gaggaggaaa 240  
aaaaagatga ccgtcaacat ggagcagagt ttttcttaga ccttagccta gcaaggaaag 300  
agaaatgcct ggtctcagtg ctgggaagct gttcagcca gagccccgtg gctgtgaaga 360  
gagctctcct gyctggagcc aaacagaaag ctcataggtc ttgaggccag aaaagttagt 420  
aggtggcggc tctggtcggg gctggaaatg gaggccagga tgaactaaga agcaaactaa 480  
ag 482

<210> 1727  
<211> 1897  
<212> DNA  
<213> Homo sapiens

1084

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1202)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1727

```
gctgctgcag cagcagctgc tctgcagagt ggtggccggg gccagggccg ggggtgccctc 60
cctcccacct tctcccgcca tgagccaggg aagtccgggg gactggggcc ccctagatcc 120
caccccgga cccccagcat cccccaaccc cttcgtgcat gagttacatc tctctcgcc 180
ccagaggggt aagttctgcc tcctgggggc attgctggcc cccatccgag tgcttctggc 240
ctttatcgtc ctctttctcc tctggccctt tgcttggtt caagtggccg gtcttagtga 300
ggagcagctt caggagccaa ttacaggatg gaggaagact gtgtgccaca acggggtgct 360
aggcctgagc cgcctgctgt ttttctgct gggcttcttc cggattcgcg ttcgtggcca 420
gcgagcctct cgccttcaag cccctgtcct tgttgctgcc ccacactcca ctttctttga 480
ccccattgtt ctgctgccct gtgacctgcc caaagttgtg tcccagactg agaacctttc 540
cgttctgtgc attggagccc ttcttcgatt caaccaagcc atcctggtat cccggcatga 600
cccggttctt cgacgcagag tgggtggagga ggtccgaagc gggccacctc aggaggcaag 660
tggccgcagt gctattcttt cctgagggca cctgttccaa caagaaggct ttgcttaagt 720
tcaaaccagg agccttcata gcaggggtgc ctgtgcagcc tgcctcatc cgctacccca 780
acagtctgga caccaccagc tgggcatgga ggggtcctgg agtactcaa gtcctctggc 840
tcacagcctc tcagccctgc agcattgtgg atgtggagtt ccttcctgtg tatcacccca 900
gccctgagga gagcagggac cccaccctct atgccaacaa tgttcagagg gtcattggcac 960
aggctctggg cattccagcc accgaatgtg agtttgtagg gagcttacct gtgattgtgg 1020
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aggctgggct gtccgctggc tatgtggacg ctggggcaga gccaggccgg agtcgaatga 1140
tcagccagga agagtttgcc aggcagctac agctctctga tctcagacg gtggctgggtg 1200
cntttggcta ctccagcag gataccaagg gtttggtgga ctcccgagat gtggcccttg 1260
cactagcagy tctggatggg ggcaggagcc tgggaagagc aactcgtctg gcctttgagc 1320
tctttgctga agagcaagca gagggctcca accgcctgct gtacaaagac ggcttcagca 1380
ccatctgca cctgctgctg ggttcacccc accctgctgc cacagctttg catgctgagc 1440
tgtgccaggc aggatccagc caaggcctct cctctgtca gttccagaac ttctccctcc 1500
atgaccact ctatgggaaa ctcttcagca cctacctgcg cccccacac acctctcgag 1560
gcacctccca gacaccaa atgcctcatccc caggcaaccc cactgctctg gccaatggga 1620
ctgtgcaagc acccaagcag aaggagact gagtgccctc gcctctcacc cctcctcct 1680
cagggcagcg ctaggggcct cccctatgcc tcagcccat ctctgctcct gtttgaattt 1740
tgttattgtt gtttggttgt tgttttttta agttgatttt aattttttgt ttggttgatt 1800
tttttgtaaa aaactatttt atatatata ataaatctat atctatatct attaaaaaaa 1860
atgaagtcca aaaaaaaaaa aaaaaaaaaa aaaaaaa 1897
```

&lt;210&gt; 1728

&lt;211&gt; 523

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1085

&lt;222&gt; (485)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (504)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (509)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (521)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1728

```
gcagatatattt ttcataagat aaatacccac agtgtatagt aatgaacctg gataataaat 60
atcttccagc aaatatattta cttagaagac gattatatattt tttaaatttt gagattaatt 120
gaatatatac aaacagaaaa ttaggtacaa atttattatg tttatggctc ttatacaact 180
atcaaggtaa aggaaattta ccaattaaat acaaagtagt aaaattcaaa atcacaataa 240
ttaataatgt tctgctgcta caaaatgaga tggtgggttt aataatagaa ggaagtagca 300
ctggtgaaat agaattaaat gggctctgaa ttcatttgtg attggaatca gaagtcgcga 360
gttctgaaaag ggtaagggtt actgcaacat tgctaataaa taatttcaag atgaaatata 420
caaagatgag atccaagctc taacatttac ttgcaacatg aatatggnac tgggttcttc 480
tccgncccca tctcattccc cctnctctnc tgctgctggt ngg 523
```

&lt;210&gt; 1729

&lt;211&gt; 218

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1729

```
ccgggtccgga attcccgggt cgaccacgc gtccggtaaa attgnttttt ntataccaat 60
atatgcatgt tttgtgcatg agtagtactt gtgttgatac tcctgttgat gttaaattac 120
tatataatat aaacagtatg tgtttttata tatcattgtg taaatttaata ataacatatg 180
cagtaataaaa ccatttggtt tactgctggt aaaaaaaaa 218
```

&lt;210&gt; 1730

## 1086

<211> 580  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (555)  
<223> n equals a,t,g, or c

<400> 1730  
gcaaaagtgt gcacagactg tgattttattc atttgtggtct gtgactttaa cccatcattg 60  
atgctctcac ttaggtaaac cctaaagacc aaactagcaa cactagtcaa gggagtgact 120  
ggagttattt ctggtagcag tagccactgg catcctagaa acacatggac atttgtagca 180  
tgaattgacc tattggtagt gcaatagcta tacatgattt ttattcttgg caaaagaaaa 240  
tgcttcaaaa aaaaagtgat caaacctgca cattgatcct gtaatagcaa atggaaggct 300  
atttctctgt actagcattt cagctttatg tgggaaagt acccgttctc ctgcaagtac 360  
aatcaaccct tgatgactta agtattaatt attctgggtg taactcacc aagntttctt 420  
cctacatctt ttggctaatt ccaccacacc tcagcataca gtcagatggg aaaaggggca 480  
gggtgattct catgtcatgc cytcttgkac cttattttca agttttgtgg tggargaggt 540  
twaatatctg ccaanaatct ggatttttag cccggtgcgg 580

<210> 1731  
<211> 637  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (586)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (593)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (616)  
<223> n equals a,t,g, or c



1087

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (619)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1731

```
ggagatttag aagcttcact caaatattaa gctttattta aaaagatgat ttccagtatt 60
tcattttata ttcacattaa tcaagtctac atgtttcggt tagagtaaca ggaagatggt 120
aatacgcacca gggaactatc tggaagtgtg gaaattggga tgaacaccgt gggtataactt 180
gttttgatct gcctgtgggtg ctatgatgac ttattttctc tcattattgc atagaaactc 240
aattcagtga tgttattcag atgttattca taagtatttg ccatgattca tcacttttat 300
gtcatcagag ttgggatggc taccanaat aggggatcct ggagatttcc ctgtagacgc 360
tttgcattta taaataatcc tttatcaagg gcagagggat ttctgtagga cttctccctt 420
agaagaactc agcctgggta gaaatacgag gattaacatc agcacatatt catctccaaa 480
aaattttctt cccattact cacacttgcc aataaataac ttgctttggg taaatattca 540
gcactcagtc ttagtccaaa gcatttgctc agcaatcact gtgtanagta canagtaagg 600
gggataccac aaatanaant ttgctctatt ttcttaa 637
```

&lt;210&gt; 1732

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1732

```
cacattttct tgttcttttg catgtttctt aatttttttt attgaatgcc aggcatttgta 60
tgtaaaggaa tagtagacaa taaagtaata ttaatgacca gaaraaaatc atttctcctt 120
agtcttatta ggccactagt gggctggggg gtggggagaa ggggtgggtgct gactgaatca 180
tttaagtgat tttaatttgt aatatatttg catgtattag ctgcttctac taatcactta 240
tttgtccata agccttgcat ctagaaatat ggcaatatag gaatattact gctttctgaa 300
gtttcatatg cttctcacct tttattttat gtttgatgat tttaatatat ttcttgcac 360
agagtagtag gaatatcttt gcaacattaa gaaatacttg gtatgggtta cttacttaca 420
ccg 423
```

&lt;210&gt; 1733

&lt;211&gt; 1281

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (426)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1277)

1088

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1278)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1733

```

agtttgcgtgg tcttccaata ccgaagaaag ggtggttggtg acaatacctc ttgcttctaa 60
agaatgtatt ataaaacacc gcagattttt ttttttcctt aaaaaacact acctgatgct 120
ttccttggtc gtgggggattg tgggcacatg aagctctttc tgcatcagta ttaagggtgta 180
tatttgaatg tcttccccctc ccctttcccc tccaggctgt gtagctttga ggggctgggc 240
gtttgctcac gaccttgctg tctcgctcag aacatgctcc gcaaagttct ccgcacacac 300
ttcttcccca tcaagcccat ttcttcccc aaccacaaag gtgtttgtga ttcctcacc 360
cgggaaacca aggagctgca aagkggagtc tggttcagcc ccgtgcagac tcaccagag 420
cttaancgtt gtctttcaaa caccctgagc cttcctaaac agccagtga gacgttctct 480
ctgggccacg aagccctcg ggtcctcccc gtccctgst ccgatgcata cctcagtga 540
gaaccacaga atctctgcag cggaaacgcc gtgcattctt tgtctgttgg cagcgagcac 600
atcgtgctgs gagacacgag tttctaagca gctggcacga gggctgctga cggcatgggt 660
cgtgcttcag ggtggcaata cctcttagga acttagggca ggaagcaata cttcagcatt 720
gaatgtgtgt aaatagttgc tttgagttgc aattgctatt ttcttctcag tcccagctca 780
gatcgaatta tatatccata tatatatata tatatatata tggtaaacia gcacacacia 840
ttttatccaa tgcaaaciaa tgtagagcat cagttacaaa accctcgaat agcttgagag 900
ccccacaggc tctgccacac ccgtgacttc atccacactg acgtcaccgc cgggggctcc 960
ccctgcacat ttgcacacga tccggagagc cgaaggccgc gtgcttcctg tcacatgggc 1020
tgtaatcatt tgtagtttcc aaagacacgt ctgcatttga atttctagat tttcgaggta 1080
aggagttttt tttaattggt tgtttggaaa atcacatcat gcctagaatc tgaaattgaa 1140
ttagcaagaa ccgactgttt gcattttcca tatatccttt tatctgctct ttttaaattg 1200
ttaattctaa taatttcaaa atgcattcac tgaagaaatg gacattaaaa tattctaaaa 1260
tttaaaaaaa aanaaannaa a 1281

```

&lt;210&gt; 1734

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens .

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1734

```

gttttaagaa tgcagcatgg gtctggcttt ggaattgant tcaatgctac agatgcgtta 60
agatgtgtaa acaactacca aggaatgctt aaagtggcct gtgctgaaga gtggcaagaa 120
agcaggacgg aggggtgaaca ctccaaagag gttattaaac catatgattg gacctatrc 180
rcagattata agggamcctt acttgagaa tctcttaagt taaaggttgw atctatatga 240
tctgtttag gtacagaaaa attgaaagcc agaga 275

```

&lt;210&gt; 1735

&lt;211&gt; 1031

&lt;212&gt; DNA

1089

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (796)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (821)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (976)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1735

```

gagccaatct tgatgggtggg tgtggcatta tgtgtcact ttattgagcc tatgttaatt 60
tcttttagcat gctcccccta aattgaaata gtgatgtagt aaatattcag aagcgatttt 120
cttttgcatt ttacctaac caaggaaacg ggccacacac cttggttttag ggatgtttgtg 180
atagcttacc ttccagtttt taagaaatgc ttcttrcaac tgctgtcaac cactgtattg 240
tctttaatga acactgttgt atcccatcct aattcttgta ctgaaatyat ttctcatgaa 300
agttttctcta atatttctaa tgaaagtttc tctaatttgg gggcataatg tactaaraat 360
cagtttgctg tatattagaa taaatagtaa cagtaagtca gcaggattat ccaaacaaaa 420
gactaggttt tatgagataa gcttgattta agaaaaaac aattaaagta tgratatcmg 480
aaatactgtg kgtttactct cagatttttag ttggttggat ttaatatcaa gataactagc 540
tgctaagcgt ttcataatc tcacagtgat attagatttc aaaatgacac tgagagaact 600
gaaaaactac atcagtcaaa ttcattgtat tatatcatat agcctttaac tttttacatt 660
aatcagattc ttagtataaat gcagmctgta tacctaaata ttaaaatatt tacttttata 720
atcttacctt ttatttcaat ataaataaaa ttcttcttag gttaaaaaat taatttcagt 780
tgtgtttatg ccaganggca ttgccttagt tgggtgcaagc nctcaatatg tttcattctt 840
ttttatagtc tttcacattt ataaggaaaa gccttatctc caactgaaac accagtctta 900
ctactacggt tttaaaagtt gttaatgatc cattatctat tataaggcct ttattttacat 960
agcaaattac ttaacnttta ttttgaatat aacagatttt taaaacggga ccttttaaagg 1020
agccctaggg g                                     1031

```

&lt;210&gt; 1736

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (282)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

1090

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (320)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1736

```
ccaactgccc gttcaaggcc atgggttggt tggggcccag gaagtgctga accatgtcct 60
aaggacatt gagctgttca tgggaaagct ggagaaggcc caggcaaaga ccagcwggaa 120
gaagaaattt gggaaaaaaaa acaaggacca gggaggtctc acccaggcac agtacattga 180
ctgcttccag aagatcaagc acagcttcaa cctcctggga aggctggcca cctggctgaa 240
ggagacaagt gcccctgagc tcgtacacat cctcttcaag tncctgaact tcatnctggc 300
caggtgccct gaggtggcn tagcagccca agtgcctc 338
```

&lt;210&gt; 1737

&lt;211&gt; 426

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (419)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1737

```
gacacacatt ataatctaata gagttaagga aaaatgcttt gattcctata caatTTTTtct 60
ataattgctt ttacacatct cattttcaga agcactcctt gttttttggt tgttattggt 120
gctgttggtt ttcttggttag ctagaagaag acataagcaa aaaaatggac aaagatgaag 180
aggctttgaa ggcagctcaa gcagaactca rggaggcccc acgccagtgg caccacctgc 240
aagtggaaat tgaatctctc catgctgtgg aaaggggsc tgaaaactcc ctacatgccc 300
gcgagcagca ttaccagatg cagctgcaag acctagagac tgtgrttgam ggwctagaga 360
aagagctaca ggamgttaar rcgckgcawc swaaagcagc tttcaagwgc acgwgatgnt 420
tnttca 426
```

&lt;210&gt; 1738

&lt;211&gt; 792

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1738

```
ctgcgggctc acacagtacg acacgaggag aaagtgccat gtcacgtgtg tggcaagatg 60
```

## 1091

```

ctgagcccg  ctgacccttt  taatttttaa  gartgttcaa  tccgagatga  atcatttgaa  120
gtatttttat  atgtatatct  atttaaaact  aatatattat  taaagcttaa  ttgccatgcc  180
gtttatcttc  tctgaaagaa  cttcaaactc  tacctgcaa  catattcacc  atnawttatt  240
ttttaatacc  tttcatacaa  taactttttt  aaaamaacct  cagattgaaa  aagcaaccta  300
aattactttc  gctctctaata  cagcatttca  atgtatttat  ttttaaattg  tctcaaaaag  360
taactaaaaa  attgtgtcgg  accctacttt  tgagaaatct  acgtttccca  agttttatgg  420
gaactggcta  ttccttgctc  cggcacacct  tctcatcct  tcctttcaga  gcctaaaacc  480
tcatttgata  agcactccta  gtctctggcc  tgtggatcca  gtgctattct  gtcaccaacc  540
taagaatccc  aattgcacct  tctgtttctg  acagtcacag  gtgacagctg  tgattctata  600
atacagactg  gtgtcttaga  ggtaggaata  atacatgatt  atgaagcatc  accctgctaa  660
tacataataa  tgtcttttta  tattataagt  gattgagttt  agttcattty  aatacattgt  720
acatgaaaaa  atgaaaagta  gaactttgta  atactttaat  caataaaatt  aattaccaa  780
aaaaaaaaaa  aa

```

&lt;210&gt; 1739

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1739

```

ctaccccctt  gagactctgg  ctttctatct  tatagaacta  ttttaatgat  agtttaaaca  60
tgtatacctg  ttactggcta  ttttctgttc  cccttatctt  gggagttcag  cataatgctg  120
tgcggatcag  gataacaagg  tcccactgag  gtgaaggagg  gaggctggga  atgctacagc  180
ctggagtgga  ggtgtgattt  cagtaggtgg  aagggtgtct  tcctgaaagg  aattggcaga  240
agtagattct  tactgattca  gatacatctt  ccaccaactg  aaggaaggaa  ttattaaagc  300
caatggtgaa  caaagcattt  caagcatttt  ataggaagtg  actagatgag  gagatttttt  360
tcattccttt  tttaatcagc  aaaaaagaaa  ttagtattat  tgaattagca  gattcttcct  420
attctatatt  aagaaagatt  taatttttgt  accaaggaag  gttaggtg

```

&lt;210&gt; 1740

&lt;211&gt; 107

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1740

```

gcaactagcc  acgagttgtg  tttcatctga  accttcaccc  ccctcctcct  ggggactatt  60
ttgaaataaa  tctaagacat  cagggccagg  ctcagtgatg  ncttaga

```

&lt;210&gt; 1741

&lt;211&gt; 485

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

1092

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (465)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1741

```

ggttttagctc attgttgaaa ctgtttgctt taattcaagt agtctagtgg aagaaagaaa 60
ggtggcatag tagcagttgc agaatgaaac ctggaagaga gaaagctatg tctaacaagg 120
gcagcagctc tgagttgcca gctagttagt agcagttagg atgagaagtg ctgaccaact 180
tttctgtatt ctgaaatctt aggggtcaaaa tatatttcatt ctgtgtttta actgtgcagt 240
aggactgtaa agttttcaca atactttggc ttttccatat ttgtatgggt tgtatttagt 300
taatcttaat aaaaatttag acttcaagaa aaattgggag aggaggtgwg taattttgct 360
tgctttctcc tcgttgatg ttgggtctca taactctaatt attgagggtg aattttgctt 420
ttgtaaaatt ggactgaagc taagatcatt ccatgagagg ntcanaanaa cttgcacaag 480
tgcta                                         485

```

&lt;210&gt; 1742

&lt;211&gt; 412

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (374)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (398)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (401)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (404)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1742

```

gctggaattc attggatagc aaccaactct ccaaggcatt gttctcagta cagacctggc 60
ctgagtatcc tccaaatctg aacttttaga gatgaatcca aatcaataga gagcagagtc 120

```

## 1093

```

atagagagtt actgtcagag agcatccagt taaaggggtga atgccagagc ccatgtgtat 180
caatcaatag agtgccacat gcctatttga agtattatac caaagtgtga cacgtgcatt 240
ctgcgtttgt gctatcctat gcctatcatt taaagttgct cccaaagtaa gtcatttggc 300
tttccaacaa ggacattttc tttcatttta caacatgcaa tatatttga acgacctggc 360
atttttctga attnaagttc accacccttt gcaggacnga naangactgc cg 412

```

&lt;210&gt; 1743

&lt;211&gt; 394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1743

```

aagctggtac gcctgcaggt accgggtccgg aattcccggg tcgacccacg cgtccgtnc 60
tgcggtccgc cacgcgtccg gatctactga gtaaagaccc ctgcctttcc tcccggtcag 120
gggtcctcca gtgcgtgatt tcttggttct ctcaggacat caatgatcat cctttggata 180
ggtagcgaag tcacattttg ctgttaagtg gttgttttcc tattctttgc ccctttccgc 240
agcagcaggt ggggcctcgt ctatgcactg cgctcaggtg cagatgggat cgagataatt 300
gcttgaattc ttgtgcagac ttttgttaatt ctgcagtaga gacaaaagtc ttggaatccg 360
tgctatcaat gtaagaatgt tggaatgctg ttaa 394

```

&lt;210&gt; 1744

&lt;211&gt; 953

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1744

```

gtccggaggc agcagtggtc acctttcaga cccagttgca ccatcttctg caggactgta 60
ttttgagcct gaaccaatth cttccacgcc caattatttg caacggggag aattttmmag 120
ttgtgtttca tgtgaagaaa actcaagctg cctcgaccag atcttttgatt cctaccttca 180
gacagagatg caccgggagc ctttgctcaa ttccacacaa agtgctccac accattttcc 240
agacagcttc caggccaccc ctttctgctt taaccagagc ctgatcccag gatcaccttc 300
aaattcctcc attctctctg gctccttaga ctacagttac tcgccagtgc agctgccttc 360
atatgtccca gagaattaca attcccctgc ttctctggac accagaacct gtggctacct 420
cccagaagac cattcctacc aacacttgct ctcacacgcc cagtacagct gcttctcttc 480
ggccaccacc tccatctgct actgcgcctc gtgtgaggca gaggacttgg atgctctcca 540
ggcggcagag tacttctacc cgagcacaga ctgtgtggac tttgccccct cagcagccgc 600
caccagtgat ttctataaga gggaaacaaa ctgtgacatc tgctatagtt aatagaaatt 660
acagtaattc agaacatggc atgggtatat ctatttttct accacgtcta gatgacactg 720
caaaatatgc aacttggtta cacaatatcc caagcacagt ttacatgtca ctatttccaa 780
ttttctgatg ctaagcattc atatgaagtc ctcagaccgc gtcacagcgc cactcctact 840
ttgtatgctc atagttttaa tttttgtagg aaactttcaa ttgttttact ttttgtataa 900
cgaacaaatg ctgtctcctt ttttactaat aaataatttt gtattactaa aaa 953

```

&lt;210&gt; 1745

&lt;211&gt; 392

&lt;212&gt; DNA

1094

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (227)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (238)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (390)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1745

```
agttgatcaa aacggaggga caaaaaacgg ggtggggtgg gaagcaggaa acagtctctt 60
aacttctcaa ggactcagct ctcactaagg agnaatttcc tactgtctct ctgggatgct 120
attgtgatat ttaattaatt ggaattcttt tctcttatga ataatttctc tgagcaacag 180
ggtacaattt tgcataataag gcaatagaac tatagggagg aacaagntca aatgcttncc 240
tttcaagaag gtgccgtata cgtcttatat aaaaatatac attccattaa tcttatatcc 300
tctccctaac cactaaaatg caaatgaaaa tattttatata agacgtatac ggcaccttct 360
tcaaatgctt ccttttcaag aagggtgccgn at 392
```

&lt;210&gt; 1746

&lt;211&gt; 533

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (486)

&lt;223&gt; n equals a,t,g, or c



1095

<220>  
<221> misc feature  
<222> (501)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (515)  
<223> n equals a,t,g, or c

<400> 1746  
cctccctgca gnttgagatg tgtcnaagag acaggctcta atacgactca ctatagggaa 60  
agctggtacg cctgcaggta ccggtccgga attcccgggt cgacccacgc gtccgagatc 120  
agttggcctt atttcctcag tggaaatcta ctactatga tgtggtagtt ggcggtgttg 180  
cagctcgcaa taaccatgaa cttcgaaacg tgataagaag cacctggatg agacatttgc 240  
tacagcatcc cacattaagt caacggtagg ttttctgagt tgttgccttg cctgggtttat 300  
tgaaataaga gttctgaaaa acctagccag gcgtagtggg gtgtgcccgt cgtcccagct 360  
accggggagg ctgagggtgga aggattgctt gagcttggaa aattgaggct gcaktgagcc 420  
atgattgcac cactgcattc tagcctgcat gatgggaatg agtccctgcc taatttaaaa 480  
aaaaanaaaa agggccggcc nccttttcgg gcggnccccg tttcccagga caa 533

<210> 1747  
<211> 251  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (174)  
<223> n equals a,t,g, or c

<400> 1747  
agatgctata aaagtaaaag aatataataa tttgctcaat gctcttcaga tggattcgga 60  
tgaaatgaaa aaaatmcttg cagaaaatag taggaaaatt rctgttttgc aagtgaatga 120  
aaaatcackt ataaggcaat atwcarcctt agtagaattg gagcgacaac ttanaaaaga 180  
aatgagaag caaaagaatg aattgttgtc catggaagct gaagtttgtg aaaaaattgg 240  
gtgtttgcaa a 251

<210> 1748  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)

1096

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (355)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1748

```

gcatgtgnga gacgtgattc tggaagtga cgggtatcct gttgggggac agaattgacct 60
ggagaggctt cagcagctgc ctgaggctga gccacccctc tgcctgaagc tggcagccag 120
gtctctgcgg ggcttggaag cctggwttcc ccctggggct gcagaggact gggctctggc 180
ctcggatcta ctgtagagca cccctgcttg gtacagacat actcaggggc taccgtgtct 240
tcactctcca gcctgaggtg gtgaaggcag gatgctctct ctaaagccag accagaggga 300
ctcagacacc accgatcaca ggctggccca ggtgctccct cccttctgc ccnch 355

```

&lt;210&gt; 1749

&lt;211&gt; 832

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (777)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (791)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (799)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1749

```

gaaaaaaagg ataaaggaag gacttaagca aaatcttcct tgtaagtaga aggatgtttt 60
gacaagaaaa gttgcaatgg aaaaatgggt ctcatgtaca cgagtatgta gaataagcat 120
cgtgtgtgga ttggattcag atcaaaacat tgcttttatg tttgtgtctt tatacgggtg 180
gagtataccc tggtgcccca ggatgaagac ttgacctgac ccatgtatct ttagattact 240
cacagataac aaaaagtatt ttcacatga ttagttgcga aaacagtttt atttcaatag 300
gtaaaacgtg cagtcctatg taatcgtcag aaggtaatct taattatagc ttgggtgtgc 360
tttaaactgc aagctggcag tggagggcac gattcctctg atttcagctt tctccttata 420
cttttctgga gctgtgagct gcaagttaac tcagtgggat taaagtgtag actggaggta 480
caaaagggtg ggagttagga gatagggtag ttcttccttg gctggctggc ttcattratc 540
ctgggccccg cagataatta aatcgacttt ttctgtctca ggcatctgta tgacctcttt 600
ggagggttccc tgctgggtag ttatccttgt atctgatggg acccatctca attttaaata 660
cttctgccag ggttcgggag gtttcatggc ttgttcatcc ccagcacttt tggggaggct 720
tcagaggtgc catttggtt tgagcccaa gaattttgag acccagccgg gggcaanccg 780
gggggtgaaa ncctctttnt tcccatttaa aaattaccaa aaaattaggc cc 832

```

## 1097

<210> 1750  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<400> 1750  
ggagagatga gaatactatg aaaaatatat tttcaaaaaa gaggaaatta gaagttgcat 60  
gttcagattg tgaagttgaa gttctcccat taggattgga aacacatcct agaactgcta 120  
aaactgagaa atgtccacca aagttcagta ataatcccaa ggagcttact atggaaacga 180  
aatatgataa tatttcaaga attcagtatc attcagttat tagagatcct gaatccaaga 240  
cagccatttt tcaacacaat gggaaaaaaa tggaatttgt ttctctggag tctgtcacty 300  
cagaagataa tgatggattt aaaccacccy gagagcatct gaactctaaa accaagggag 360  
cacaaaagga ctcaagttca aaccatgttg atgagtttga agataatctg ctgattggaa 420  
tccagatgtg gatnagatat taactnaaat tatnaggaga aggaaacttc caccaaggga 480  
gcag 484

<210> 1751  
<211> 772  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (766)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (772)  
<223> n equals a,t,g, or c

## 1098

&lt;400&gt; 1751

```

gcgcaagtac gagttcgaaa aggacctcag taagcagctg ggcttcttct ccttccccat 60
caccacagtg ctcagggacc tttccctggg cttaaagaag gtaaaaggct cccgcattcca 120
cctgtcctcg gagaccacc ggagctgcct gctgcgtaaa ctggaggagt ccaaaagggc 180
ccggcaggcc tcccggctca gcacctcca ctgnagcaca gagacacct ctgtgcagca 240
ggaaccagcc acccacactg cccaggacca ggccacagag ccctgccgt ccctctacac 300
caacttgcca gccagccggc agctcagccc tttggagccc aagctctaca tgtctgcctg 360
caccggcatg gggtccagtc cccccaagtc caaggacatg gacaatgagg gccgtgataa 420
agccgagatt gaagatgaag atgaggatga gttcaaggat gaagaccagg atgaggacaa 480
ggatgaggat ggagtctaga gcctcccaga gcctggagag gaggcctcg tcagccactc 540
cgtggacgtg ggccacggtg acccaccatg aagtccccac tagccactcg attccctgct 600
ctgtcagagt tgctgcacat cacaccagcc cctgccaaaga gcaggagtca ccacaggctg 660
aatgccacg aggagctctg ctgagactct caagggagcc agtgaaagaa atagaaataa 720
agcctgtgyt gctgggacac aggtttgctg tcctgaaaaa aaaaanaaat an 772

```

&lt;210&gt; 1752

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (370)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1752

```

tcgacccacg cgctccgacca gcatgaggta aagaaaagak gcataatgtt tgcctttgtt 60
ttgtttttat tttaaagccc aaggtctttg tttttgaagt aacagcttaa tttttaccct 120
tcataatcag gagagttact tagatgctct cttcatgatt tggtgagggt ggaatgattt 180
ggcagtcctt gaaatattt ttggggagga ggtggcagaa gagtggagtg taccagggtt 240
tgagatttct cttaaccac caacctaaact tctgttcttt ctgcacctca gagatgaaga 300
agagatgatg atttctcttc ctcaagtcct tcttattctt gctgtcctgt tttttcaggc 360
caagattggn cttgnttggt tgca 384

```

&lt;210&gt; 1753

&lt;211&gt; 222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1753

```

atgacacaga ggctgatgtn ttggggcttg tggcttcagg gaccctgat gtggccaggg 60

```

## 1099

```

ccatgactca caccctactc aggcattctgg cagcaaggcc ccctacccag gccagcacc 120
agcatcagtg tcccycatgc ctgctgcccc ttccaggggt tctaacagga tgggggtggg 180
tctggcagaa ggcagagtta tctgaagcat gggggcagga gc 222

```

```

<210> 1754
<211> 650
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

```

```

<400> 1754
aaataat ttt tacat tttgt at tttccaac caaacagaat cgggaccagt attcacatct 60
gctaagt gat cattttctgc cataccaagg tcataattcc ttccgtgaga aatatttttag 120
tggggtaaca aaaagaattg ccaaggaaga aaaatccacc caggaatgaa aattaagatt 180
ttgncaatga agaaagaata agaatttgat ttaaaaagac atctggatgt gaactttcat 240
gtatgatcca gaaaataggt acggttttta aatattttat atagaaaagc tacaaagtaa 300
attgagcaat gcttttaaaag ttatctttgt tttatagact tttttgttgt atgtattaca 360
gtctttataa tcttatttaa tgtatatttg tactttcaag tactgatgga gatagactca 420
aaacagttat ttttttataa ttaatctaca aagggaatta atattgttga cttttaaaac 480
atctgctgga tatattatat gcaattaata gtagttaaga atttattcat ttggtagata 540
tgtttatttg gtttttggtt gtcatcgatt tacattgcca ctaataaacc atattgagaa 600
tttctaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa 650

```

```

<210> 1755
<211> 560
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

```

## 1100

<220>  
 <221> misc feature  
 <222> (526)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (541)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (548)  
 <223> n equals a,t,g, or c

<400> 1755  
 agtggtccgg gagcaccggg nctccgtcat ctgtctggag ctggtgaacc gactcgtgta 60  
 ctytggcagc rcggacagga ccgtcaagtg ctggctggca gacacagggg agtgtgtgcr 120  
 cacgttcacg gccacagac gcaacgtgag cgccctcaag taccacgcgg gcacctgtt 180  
 cacgggcagc ggggacgctt gcgcccgggc cttcgacgcg cagtctggag agctgcggag 240  
 ggtgttccgg ggccacacat tcatcatcaa ctgcatccag gtgcacggcc aggtgctcta 300  
 caccgcctcg cacgacggcg ccctgcgcct ctgggacgtg cgcgggctcc gaggtgcccc 360  
 gcggtccctt ccgcccattg gcagcctctc gcggtctctc agcaacaagg tgggctgcgc 420  
 cgtcgcgccc ctgcagccgg cctgatcccg cggggccctt gcagacgcca gccagacac 480  
 ccagcggctc ccanagcgcc ccgncctgct accgcgggtg gtggcncccg atggcccggc 540  
 naggggcnag gagcgaggaa 560

<210> 1756  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (282)  
 <223> n equals a,t,g, or c

<400> 1756  
 ggcaacagag cgagactcca tctcaagaaa agaaaaaaaa attgtaattc ttataccctt 60  
 gctctgcttc tttatcattg tgtaatttta aaaacaactg rcatatatta tacaggtact 120  
 tgttttattgt ctatttctac cactaaaatg gaagctccaa ctgctattag attaatttcc 180  
 ctcccaggtc caattttgat tatgttactc tgaccaagct gatcttttct cttcaatcta 240  
 gaccttttaa ctaccittcaa aaatacaata aatatgatta tnctagact 289

<210> 1757  
 <211> 490  
 <212> DNA  
 <213> Homo sapiens

<400> 1757

## 1101

```

gggagcactt ggagcggatg ctggggcagg ctggggagcg ccgggctgat gtgtacgtgg 60
gcgtggatgt gtttgctcga gggaacgtgg tcggaggccg attcgacaca gacaagtcgt 120
tgagctgat ccgaaagcat ggcttctccg tggtttgtt tgccccggc tgggtgtatg 180
agtgtctgga gaagaaggat ttcttccaga accaggacaa gttctggggc cgactggagc 240
gttatctgcc cacacatagc atctgtcct tgccttctgt cactccttc tgcctgggca 300
tggtgtcacg gaggtctgc tatggccagg aagaggcggg agggccctgg taccacctga 360
gcgccagga gatccagccc ttgtttggag aacacaggct gggargggat ggccggggct 420
gggtgaggac gactgtctgc ctggaggatg cctggcacgg aggcagctcc ctgctcgtcc 480
gggtgtgac                                     490

```

<210> 1758

<211> 855

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (837)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (849)

<223> n equals a,t,g, or c

<400> 1758

```

agaattgaag gagagatggt gtatcactgt tagaaggctg ctttgggaca ttctgcagca 60
gggaggaggg actgtcaacc cctacaccat gaccaccaag ttcctcaact tsgctgagtc 120
cctaaaactc tctgaacctc aggttctctc aagcataatg cagacttcac agagctgttg 180
taaagattag gtgaggtcaa ttgatactgc ttaaaaggcc cggtccgtag aagatgccca 240
ataaacatta ctgctttccc cctcaccmta ctgcctgaaa atattacacc tgtgagactg 300
acttkgagaa ccagtgtggg tnsaggagttg tgcatataaa ctattttartg agtaccnaac 360
acaaaagtca agcttgtaaa atatcaggcc ttgccccaga aagacaaata ccacatgatc 420
tactgatata gtwgartctt aaaaagtcna actcagagca gagagtagaa tgatggttat 480
caagggtggg gggaggagg gactggggag atgttggtca aatgatacaa aggtttagtt 540
aggtggaata agttcagaaa atcaattgta caatgtatca attatagtta atagcaatat 600

```

1103

```

caatatatgc aaaagatata taaagatgat aactaatata gttatactga gcctgatcat 660
ttgcatttcg ttagctttct ggattatatac aatgactgca agcacctatt atggtaactt 720
acgacctatt tctccgtggc gttggctgtt ttctgttgtt gttcctgttc tgatcgtctc 780
taatggcctt aaaaagaaaa gtctagatca cagtggggct ctaggagggc tagtcgttgg 840
atztatccta accattgcaa atttcagctt ttttacctct ttgctgatgt ttttcttgtc 900
ttcttcgaaa ctactaaat ggaagggaga agtgaagaag cgtctagatt cagaatataa 960
ggaaggtggg caaaggaatt ggggttcaggt gttctgtaat ggagctgtac ccacagaact 1020
ggcctgctg tacatgatag aaaatggccc cggggaaatc cagtcgattt ttccaagcag 1080
tactccgctt cctggatgtg tttgtctctc ttggctgcac tggcctgttc tgctggagac 1140
acatgggctt cagaagttgg ccagttctg agtaaaagt ctccaagact gataacaacc 1200
tgggagaaag ttccagttgg taccaatgga ggagttacag tgggtggcct tgtctccagt 1260
ctccttggtg gtacctttgt gggcattgca tacttctca cacagctgat ttttgtgaat 1320
gatttagaca tttctgcccc gcagtggcca attattgcat ttggtggtt arctggatta 1380
ctargatcaa ttgtggactc atacttaggg gctacaatgc agtatactgg gttggatgaa 1440
agcactggca tgggtggtaaa cagcccaaca aataakgcaa ggcacatagc agggaaaacc 1500
attcttgata acaacgcagt gaatctgttt tcttctgttc ttattgccct cttgctccca 1560
actgctgctt ggggtttttg gccaggggg tgaactttat ttcatttcca caggttgaaa 1620
ctggtgagtc cagctaaatt tgcaattcca actttcatcc taagaataat aactgtaatg 1680
gcaaagcgga aatgccagtt cctcctgtat tccattgaga tgggatttca cattttctc 1740
tcatcaactc ccctgtaata gctagcgtct ttctagyga agagaagaat tcctagaact 1800
tatgcatttt tttcctgctg aatggaagtc ttgagcaatg aagctatatt gtccctacat 1860
attactatat attgaactga aagttcttac ataatcaatg tcaagttttg tcttattttg 1920
ttttgtttgt ttaaaccagt gtaggaaata aaagtgatga tatttaaaat agttctcagt 1980
tgaagcagag aaatgccact gtgctagtgt cccaaatgtt gtatctattt taaatagttt 2040
aagctgatgt gtatgggagc ctaaaacaagt gtagtatcct gaacttctcc cattaattgc 2100
tattcacaat tgggaaaagt gtggagattg gttcctagtg agttttgtgg cctactccac 2160
atltgttctt ccttctctag ggttagtgat gaaaaaaagt aaatatcttt ttcatatgtc 2220
cattagaatg tatgaaaaaa atcattttta ctaaaagcaa aagaatttta tcttatatct 2280
aaaaaatata taacttacta tatgtttcag ttgctctctg aacaaaaatt atcttcaatt 2340
taatattgtg aatgtgtttt ctagctttct ttgaattatg tatggcaacc tggtttagca 2400
ctggcatcct gaacagttta gagtcactgg gaaattattg tatttcttta taaatttact 2460
gtcatatcaa ttgctggaaa atgctatgat tttctatta ttaccttcta agttgtattc 2520
tctcttacac tgtagcctca actaaggcaa ttctgctatg tttgttcttc actatgattt 2580
actgtgtgcc aaaggagttt tgacagggtg cagagtattt tactaaaagt atttttaaat 2640
gtttctcatg tgatttctgt accttcttcc tctgccccct tttgcttttt taaagaaact 2700
ggggaaggat ttatgaatac accacc 2726

```

&lt;210&gt; 1761

&lt;211&gt; 1033

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1761

```

aaaagagttt atatacttct aaaagctcct aacttatatc caaagaattg ctttctgatt 60
cgtgtagtct ctcccacaga ttcataaact tttatgactt atattgtttc cagggtgggca 120
tggtttatatt ccagttttaa cagttcagaa taggggcatt tattttatca tattttaggg 180
tggttttagga gtatcctttc tggagactga gaaaggggtg tatttaattc catcagggtc 240
agtacagtac taggagtcac aatactttat aatcaattaa ataaatagaa ccactgagac 300
aataatgtat ttttttaaag tggcaaatgt ggttttcttt tttcagcctt tgcgcttttt 360
cagtattttg accataggga gataattttt ttataatata aaagtaacca cttggaattt 420
taaagataat gttatgtgtg tatgtgaaat atatatacat atatatatat atttcctaaa 480

```



## 1104

```

agaagaaaag atacccttct gttcaacttg tatcaactcc tcttttctaa ttgctgtgaa 540
atggcaactg ttgataaatt attgtgattg ttttaaaatc taatgggaag taaaatatat 600
tttgatttta cccagcttaa tctgtaaagt agcacttaaa tatatctgat agcaacactt 660
aagatattgc atggggatta ctttcctatc atccatattg atttgtgcaa cttcaaacad 720
attgggtgct tctgaattcc tgatgattgg atttaagcta ttgaaaattg gataatttaa 780
acttaatgat ttttataatt ttctgatctt aaaatttggg taatgcctat aatctgttgc 840
tttttctcaa tatgtgtcct attggaaatt cctcaaactg ttggtgccat cagtatttta 900
caaacaatat tttgatattg cagatgactt gcttactgta tttgcattgt tagaaaacag 960
tttgtagaca atgattcttt ttttaataaaa tcaaataatt ctaaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaa 1033

```

<210> 1762

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 1762

```

cctctcggcc gtaggttagg nagattcggg tgggaatgca tgaagctcca cngaagtatc 60
ggtatgtagg gtattctgcc caagccctgt tcgcatacca aaccaggngt taaataacat 120
caggctctgg gggaatagaa agcmggcctt agacaatctg tccatttcta cagtaaaatt 180
ggagtgagtg tgtatatcta cttaaaactt aatagaagtg acttctactt tttgggctat 240
tccagaagta ttttaaaatt attattttaa attttgaagc cccatttcaa atcttgccga 300
ccttagttca aagccccctg agagatcact tttagaattg aggatttgtt aaaatggcaa 360
gtcatttcat ttgtgtttaa aagaaaatac ccaaaaggaa ggagggagcc ctgtttgcct 420
tgagataaac ggccttggca ttttctggca ttaatgtaga aataatgttc ctatgatgac 480
atattttcaa agaaacactt tcttatttac tgtgtggtgt aaaatgttgc taaatgtgtt 540
gttacattat gtcactgctg aaagtaattt gcactataat aaaggaattt tctacaaaaa 600
aaaaaaaaaa aaaaaaaaaa a 621

```

<210> 1763

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1763

```

gactttctgt gtttacttgt atgaggaaaa acagyacata raggcattca cagtatttaa 60

```

## 1105

```

tttgtttggg taacagttac agataaacag gtacacccca tatacaatta cyaatacttt 120
ttatacagtt catatttcag tacatcaaca ctattttatt tacactctat ttatryacat 180
taacatcttt ytaaatggg attattgtcc atatgcttta tattttttat tccagtgtt 240
tcccttttag gaatttatct gaggggagaa tactctgtaa ttactccata atttgcaggc 300
aaatatcatc atagcatttt ttaggagagt aaaaagttat taacaactta tatttgtctc 360
acattagagg aatgggttaa taaagcatgg tgtattcatt ggataaacta taatgcagtt 420
gttgaaaatg attaccagga gtttttgcta acatttatgg gaacatgctt atgatatgtg 480
aacatttttt taaaaacaag acataaagtt gcatatactg gaaataatac cttcaatatt 540
gaaaaaaata ctatttagga aaraggacag aagaaaatct gccaatatct tgacagtggg 600
tgcctttgta ttaagaatat aattaagaat ataaaaggat tccctgcctt ttaacatttt 660
tctctgcttt ccaacatgaa tattatacct agtaatcaga aaaaaaacag aggcaatcac 720
tcttatcctt tacatt                                     736

```

&lt;210&gt; 1764

&lt;211&gt; 1371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1764

```

cagttaaata actcctggtg acacttcagg tggtagaatt gaaacacaaa cctgacttct 60
gaccacatgg gtcaaaggca aaaggcaaat ggcttcaaag cccttagtgt gcttatccag 120
ttcaggcagt gaggagataa cctctgcttt cctccctgag gagtttgag tatttaaggg 180
gggatggggg ggggtgcact ttgaaaatat gttgcttttt ctcttgattg tattgaggct 240
gatatggaag ggttatttct ttctggccaa tactttttgg tatttctaaa tattgcaatc 300
ttgattttta ctattaaatt tgttaattgt cagttctggc ttttttgcac aaagagttgg 360
tccattaact tgccaatttg aagcttctaa ctagatattc cctactgaaa gttttggatt 420
tgttttttagt ttgtggagca gtcttagctg gggacaggta attgacaacg gcagagatac 480
tttcttttcc taggattcta agtctgtaat ccacatctc aatgtattca caggacttta 540
aaattctctc caaatgagga aggaaatatc ctgttgcttt ctaatgttta ctaaaagttg 600
tgttttagaac aacagatttt aataggcatc ttctttgtt atgtgtcatt agccctttgc 660
ccgtttacct tagggctctt tgaaggagaa atggatggga gaaaacctgt cacttggcga 720
aagtaaaagg gataattaac tggctcagag cttatgtgca gagttccaag ccccaaagtt 780
aatctagaac cactcgataa caccaataaa aatatttatt tcacatctgt tatatatctg 840
gaaaatgttc taagcatctt acacatatct ctcattaaat ccacagggtga ccattgtgag 900
gtagatatctt tgttctaatt ttccagatga ggaagctgag accctaaaag gctgaccggg 960
tccctgatgt gttacctgct tctgctactg atccaaactg cagaacttct cattcatccc 1020
caaggcctcc aggcagtatc caatggggaa tcagctctaa aagggaaccag accaacgttt 1080
tccagccctt tcattctgta gcttccctct gtgtgaggaa aggatagaaa tgttcaggac 1140
atcatcatac aggctcctca tctacaaagt tccagtagca gtgacgccta cacggaagac 1200
ttggaactgc aaacaggctg gggtcacctc agtgacatct gacgctgtcc aaccagaagt 1260
tcgatttttg ttctgggggt gaaggaggaa acagactgta ctaaaggact aaaataattt 1320
gtctatamwa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattccc c 1371

```

&lt;210&gt; 1765

&lt;211&gt; 766

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (510)

## 1106

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (716)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (733)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (738)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (757)

<223> n equals a,t,g, or c

<400> 1765

```
tacgcttctg ggcataatac tgaaacacaa aactgctttt gctctctctg tggttggccg 60
aaaataggat tctttttcgt gcaggtgtcg ttgtttagtc ggctttacta acatattgaa 120
atggctctac ccaaagacgc catccctcgc ctgtccgagt gccagtgcgg gatctgcatg 180
gaaatcctcg tggagcccg caccctcccg tgtaaccaca cgctgtgtaa accgtgcttc 240
cagtcgaccg tcgaaaaggc gagtttatgc tgtcccttct gtcgycgccg ggtatcgctg 300
tggactcggg accatacccc aagaaattct ctcgtaacg tggaactgtg gacgataatt 360
caaaaacact atcccaggga gtgcaagctt agagcgtctg gccagaatc agaggaagtg 420
gctgatgact atcagccagt tcgtctgctc agtaaacctg gggaactgag aagagaatat 480
gaagagggaa taagcaagggt ggcggcagan cgacgggcca gcgaggaaga agaaaacaaa 540
gccagtgaag aatacatata gaggttggtg gcagaggagg aagaagagga aaaaagacag 600
gcagaaaaaa ggcgaagagc gatggaagaa caactgaaaa gtgatgagga actggcaaga 660
aagctaagca ttgatattaa caatttctgt gagggaagta tctcggttc tccctntgaa 720
ttccagaaaa atntggtncc agttacaccc aagtctngaa aaagga 766
```

<210> 1766

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1766

```
ggcagaggtg gagggcacgg aaggggtttt mcatcctatg ttgtataagt gaaccagacc 60
accctgatgg catccacagt gatgtcaagg ttggggctgg ccaggggtgg gtggactaga 120
agcatttggg agtagtggcc agggscctgg acgctagcca cggagctgct gcacagagcc 180
tgggtgtccac aagcttccag gttgggggtg gagcctggga tgagccccgg cagcgccttg 240
gcccttctgt ggtccctgcc agcctctgac ctggggccgg cagtcattgc tggactctgg 300
ccacacactg gcgttctcat ccacttgga acaagccagt cttttctgca aggtcagttg 360
accaagagca tatttcccct ctgttgta tctgtgtttt gtgtttgtgt tgtaacagtg 420
gggtggagga ggggtgggtc tacatttggt gcatgagtcg atgggtcaga acttttagtat 480
```

## 1107

```

acgcatgcgt cctctgagtg acagggcatt ttgtcgaaaa taagcacctt ggtaactaaa 540
ccccctctaat agctataaag gcttttagttc tgtattgatt aagttactgt aaaagcttgg 600
gtttattttt gtaggactta atggctaaga attagaacat agcaaggggg ctccctctgtt 660
ggagtaatgt aaattgtaat tataaataaa catgcaaacc tttaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaa 736

```

```

<210> 1767
<211> 521
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

```

```

<400> 1767
naacnggnaa gctgttcccc tgcagggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgagcctac tctggttaag atgttctttt cctcaaaggt gccctagtgc catgatttaa 120
atatttttat taccattttg aaatggagaa gccattctgc atatgccttt gaattcctgc 180
ccctctttac cacctcttcc tccccctcaa aggaaaaaca ttcatccaa gtaagttaac 240
ggcattttct gtaggatttt cttatgcact gcacactctg gacctcacct gcagatacag 300
ttccccctt gccaggagca tctgcatgtg gtacttctct ttccctcag ttgatatttc 360
ttatatgata ttctagatac tatagaactc aatttgtcag attcagtata acctcagatt 420
ttgttacctg tcttttaaaa atgcagattt tgtcaaatca aataaagatc aatggatgtt 480
gggtataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 521

```

```

<210> 1768
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<400> 1768
aaaagaaaaa aatgacatta aattttgtca agatagcata ttgaaaatat aatagaaaaa 60
tatttgttta tctgtataa tatattatgt cataggtgtt atcttcagga aggcacactg 120
gacctgctaa attaacaat ggaaagaaag cgtaagtact tgaagacgtt tacaacttca 180
gatttcaagg aatttttcag gtctttgggc tggatgacat gtcgtctacc ccagaaaatt 240
aggtaggcct ctaccatcac aagctctgag gaacaatttt tcatgtctac ccatgttaat 300
catttttagta tttaacagtc tttctgatct tcagaatgtg tttataaatt catcttgtac 360
atgggtggac aagctttctt gtctttgctg graagraaat gactacttac taatatattt 420
tgggrraaat attkgtaaga atattaataa gct 453

```

1108

&lt;210&gt; 1769

&lt;211&gt; 636

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (516)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (540)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (553)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (571)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (623)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1769

```

ccctataggg aaagctggta cgctgcagg taccggtccg gaattcccg gtcgaccac 60
gcgtccgggc gactggcagg acgcggtgca gagagcggac ttccgcgacg cggaacgtcc 120
tacagtgtag ggaagcaat ggaagaactt ctacctgatg gacaaatatg ggctaatatg 180
gatccagaag aacgaatggt ggcagctgct acagctttta cccacatctg tgcagggcag 240
ggtgaaggag atgtcaggag agaagcccaa tctatccaat atgatcccta cagtaaagct 300
tcaktagccc caggaagcgc acctgctctt cctgtgcaac tacagtaccc acatgtagaa 360
agtaatgtcc cttcagaaac agtctctgag gcctcccaa gactccgaaa gccagtgtat 420
aagagaaaagg tgcgcgcag aaagccagat ggggaagtat tagtaacaga tgagtcgatt 480
atcaagtgaa tcagaattgg tacagaaaat gatcangatc tcttgggact taagacaaan 540
gctggatgaa tgncagttcc aggaagacaa ngaatcttca tttgatgggt cacaacaaat 600
taacctacca catgaatacc cangaatttc tcaaga 636

```

&lt;210&gt; 1770

&lt;211&gt; 643

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1109

&lt;222&gt; (632)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1770

```

tcctcactaa ggggaacaaag ctggtgctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccgg gctgcaggaa ttcggcacga gcacgagtg gcacatgtgc gcgcacacac 120
acacacacac acacacacac agaacttaac agcagtgatg tgtgttgtaa tatgcaactt 180
tgtaagttac atatcactcc ccaataccac cttctcagtc acggagtaga gatcttactt 240
cacaagaagt gagactcaga gaggtgaagt gacctgtgca aggtcaccta ttacagtgcc 300
agagttggaa ctaaaggaac ttcagtctgt gaacttcagt gtctttccag tagcatattt 360
gcagcagaag agtcaagaat gttgtgagct gcaactctca ctagaaccaa atgaccttat 420
tgggagatgt tagtccagcc ttaaaaacaa gctcttcacc tccatgaatg gcaagtgtct 480
gccctcttca ggccaaatcg agaatgacat ctataactga ggcaaactct tcagraaccc 540
aagtcagacc ttgggattat ttgctttttc agtaagttct kggtcccggg ctgtgtcttc 600
ttaactcttg ctggtggggg acccttcagg gnaagcttac cca 643

```

&lt;210&gt; 1771

&lt;211&gt; 734

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (721)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (730)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1771

```

catattttaa aaaatatggt ttctgtgtgt tgccaaagaa tagaaatgca attgattttt 60
taatatataa cttatatcta gccatggtat tgaattcttc taatttctaa taatttgtct 120
gtcaatcatt ttattctttc taggtaaata tgatactata ataaattttg cttctttctg 180
tttctttcct tttcctatta tttacttttc ttgcattact aggctacttt ggacctttaa 240
taaaatgtga aaaagcacat ttatctttat attgatttta aacagaacac tctaaatacc 300
ttattatcgg taagactaat grctgctgaa gaattttact gggttgagaa aactgttatt 360
tatatttgtt taaatgtttt cattataaat ggggtgttcaa ttatatcaat ttatttttct 420
gcactaatat ggatgatcat aagacatttt tctcttttaa tctcttagta tgataattta 480
catttttgga ttttccagaa acatcttttg attcctagaa taagccagat ttatcacaag 540
tggtattatc ttatcagata tatggctgct cttgagttac taatctttta cacttttgtg 600
tgtaaggaat gtttttaatc taggtgaaat tttgaatcta tgctcatgag taagaatatc 660
ctttctcata ctatccttat ctggccttag tactgagctt tagattatct tggagggttc 720
natttccctn cctt 734

```

&lt;210&gt; 1772

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 1110

&lt;400&gt; 1772

```

gcggaacgcgt gggaaaaaaa agaattactt gagatgcttg ttgaatatgc atattcctaa 60
gcccagccct aaatctactg aatcagaatt ctatttttaa tgtacactcc agatgggtct 120
gatacttgaa caacgctata ttttagcattg gttaagtaca gatattttgt ttttagccta 180
ttgcagaatt agctcaataa ttcataaaat gggaattat tcataccaat gctaaactca 240
gtatttatta catcaaaatt tttaatgtat tggctaattt tggtaaagct aagaccacca 300
gtgtgaataa ggatggattt ttgggtattt gccactgara ttttttagca tagatcccca 360
gaattatttt taggaaaagg atatgctgtg cttagc 396

```

&lt;210&gt; 1773

&lt;211&gt; 786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1773

```

gagcttttagc tcgcctgccg ctcaccttgt gctgtgcagc ccggttccta acagaccaca 60
gacccacac caggtctatc tcatttggtc tcagagctgt gaatcagcca gcaatatttt 120
agttgcaaat cactgaaaac ccaactcaaa gtgacttaag tcagaaagaa attttatgaa 180
ttcaggtaat taaaaagtcc agaagtatct gccttttaggc acagctggat ccaagggcac 240
aaatgatgtc atcaggctcc agttattctc catctcccag ctcagctttt tctgtctgta 300
agcctgattt tcaggaaggc tctttcctag tgatggagat gaccaccatc agctccaggc 360
ttctatcctg ctaaccaggt aaccagtggt gaagagattt acttattcca ataattccaa 420
gtggagagtg tcattgacct gtttgggggc tcctctctac ttctagggga atgaaacact 480
ctgagtggcc aggcctgtgt catgtgctaa ttcctagagc cagggaaata aggtctgagg 540
attcaggatg gggtgaaagg tgggtgctta aaggaaaatg aaatacaatt agcagaataa 600
ggggaaacga gtggtctgct ctgctcgggc aaaacaagag atgcccatta ctgtgaggga 660
cccttgaagt ctggactctt aaatgggttt ttgctgattt cctgggtgca tgctaggatg 720
atggggcttg atgcagtagg gaagagacga tgtaaaaata ataaacaata tataccttca 780
aaaaaa 786

```

&lt;210&gt; 1774

&lt;211&gt; 676

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1774

```

ggcacgagac tgaatattga aataatgtaa aagacctatt tcccgttagc tttaacgat 60
ttgtcataaa cacctttctt gtatatgatt tttaaatgtt tgctaaatat taaaaagaat 120
tcaatgtgtt tggttttgta aaattacata tcgaatgtgt ataatttttt actaccatgt 180
tcatacact taatctatat ccatatattg tactccacca atatttatca gtggacaata 240
aagaagtttt gaatgcatga atgcaactta agaggacca cacttgggta ttttgcaatg 300
ccagaataac ggtgggtatt cacaattga atagataatc cagattatgw ttctcccaa 360
tttaagtttt tctgggtttt tttttcccc ttctagaat caattttatc attttaccta 420
tgtacaataa tatacttctt ggaaaatgcc tagaattttc accatgtaac agaatttgag 480
catgacagta wtgtaaaaat attcagaagt ctggaactat aggtttgagt tttcaaagta 540
aatcaaaatm cagctgtttt ctttttacta gattgtggaa acctatggat gttattgtaa 600
aatgcatatg cattacactg actttcttaa aatgttttga attaataaag aattcaacaa 660
tgtaaaaaaa aaaaaa 676

```

&lt;210&gt; 1775

&lt;211&gt; 423

1111

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (359)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1775

```
t tactatcta agtatgcaat tcttagggaa aagtgcctgg aatccttgcaa ttccaagata 60
tccattgtaa ttactctgga tttaaataga actggctctcg tagcacaaga attcctgata 120
gcaagatact ttccataaga taccttcaac ccggttaatt tttttctgt atctgataag 180
gtaaagttta gttcaagagt acagaacaca tttatttact tttttgtctt tctgaaagta 240
caaaggacca cccttatcaa tctgtctttc ccagctactt ggaactctac gtgacttttc 300
tctttgtgtt ttatagaaat acgtttgttt ttatgatnca tttttgaaat tgtgatttng 360
tagggtatgc agaggagnaa attcgggaaa atttttaagg tattctgaag aagacacttt 420
aac 423
```

&lt;210&gt; 1776

&lt;211&gt; 671

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1776

```
acgttggtga aaactgcttt cccctttgaa tggctctggc ccccttggtg anagtcactg 60
cagcataaga gttagccttc atctctgggc tctcctctcc tgtgactccc gtaatgtttt 120
actcatccac ttcattggtg accaccctct ggctctgtcc actctgccac ttttttcttc 180
tgctcctcac aggatcattt ccattgtaag tgtctccagc ttgctgattc tttattctgc 240
ctgctcagat ctgccggtga accctctagt gaatttgtaa gtgtcagtta ttattttcag 300
ctcttctagt yccatttgat caccttcata attcctatct kttgataycc tcattgtgtt 360
cctctgtgat tttcctgact tcctgtagtt ctgtgtccat ggcttccttc agttcttcga 420
gcacatttaa gacagtcggt ttaaagcctt tgtttactaa gtccaatgtc taggcttcct 480
tgggcatggt tttgtcagtt aaatattttc ctttgaatga gtcataacct cctgttttat 540
ttgctttaga ttttaggtca ctaaattttt ctttgtgtct aaactgctgt taaacctatc 600
cattcagttt ttaatttggg ttattgtgtt tttcagttga attttttttt aacctatct 660
cctgtatctt t 671
```



1112

<210> 1777  
<211> 1779  
<212> DNA  
<213> Homo sapiens

<400> 1777  
gctcgtgccg ctcgtgccgc tcgtgccgtt cattcagaag gtggagataa gtaataccta 60  
ctcctaaatt tttatcctga tagtgagaaa atatataagc attttggaac tacagaacac 120  
catacaaaat tagcattatt agtactgcat tatcttgtgc tcttacaatg ttttgtgtat 180  
atgtatactg attttctact tagaatgtaa ctggtgtttt gtcaagtgc tttttccccc 240  
cagcctttcc taggctagga tatatgctaa caagtactat taggagctgg cttgtgatca 300  
taatgccaac tatagataag gcaagtagta gcctagtagt taactgaagt ttcaagttag 360  
tcatgtatag tcagttttta ttatcatgtg aataaaataa aattgttttc cttttctttt 420  
cattcaggaa aagttctagg aactattttg gtgcacaacc acattataga ttatscttgg 480  
gwgatatgcc atttgtagct ggggaaggtra gttgggtcaa ctccggattc tttttataca 540  
acattgatcc ctgaattaag tccctgcac tscaagtagt tctacaaatg gaaggaacat 600  
tttctgtgct ctttaccagt gtgtggatca tgcctttacc agtgtgtgga tcacagtga 660  
tgtgaaaatg agatgtaggg aggttttttg ggattaggga agcaaggaag agatggggag 720  
gataccttaa agtagataaa gtatatgtgg aaaggaagt ataaaacaga gaccctaagt 780  
tgaagaaggt gttgtttcag ataggggtca aggaaataag aaatagtagt tttgtagcat 840  
tggtttttta gtatcmtacc tgttgagtta catttagata taggtagata ttcgaataag 900  
cacgtagcac attctgcttg tcctcacatc cagatcattt ctaggactaa ttctccaaga 960  
agcagtcata cgtacacttg aatcttcagt ttcttcagca cttgaatgta aagctgtatt 1020  
gtcatatatac aagtactgag tgaagtrcct aaaactgtgc tagttgacac tactttataa 1080  
gctgtttgtg ttgctgggtg ttttatatatt agattccaac tagattgtta ttctggcatc 1140  
ttgggaagta aatgttcttc tgaattttgt atttgtttat atttatttat tttaaacccc 1200  
tagtaaatc gcagtgaat catggggaat ataataaatt agtggtgaca agcatttgaa 1260  
aaaggtagag ttgacccttg aacaacatga gtccgaactc tgtgtgggtc tmcttacagg 1320  
cagatttttt ttttcaataa gtatcttgga aaattttttg gagatttttg gcaatttgaa 1380  
aaaacttgca aactatagct tagaaatatac agaagttaag aaaaagttgg tatgtcatag 1440  
atgcataaaa ttgactatgt caatactagt gcattttatc atttaytacc ataaaatata 1500  
cacaagtttt ttttaattat aatttatcaa acaatttgc acacagacta cgtgacgcca 1560  
ttcacagtcc agagaaatgt aaacagataa agatgcagta tgaaatcata actgtataaa 1620  
attaactgta gtacatactg tacgactgat aattttgtag ccaccttctg ttgccattgt 1680  
gatgagctca agggttggga gtattcactt aaaatgccac gtgacgctaa tcactttcaa 1740  
atgagcagtt catctctcca gtcaattgtg tatcacagt 1779

<210> 1778  
<211> 559  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (542)

1113

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1778

```

aaagaagaca cattcacaac cagtggtaga gaaactgtgg tttatatgcc cctcttagaa 60
taactcttca ggctctgttt atagccctgg gttcatgcat gataaagtag acagcaacac 120
caccatacag tgcagaggag tggcaagaga ktaaaccgaa aaggagatga aaatagacca 180
aktggagaaa ggcctgggcm aaaaaggarg aaaaggaaga tcactatgga atawtaraga 240
kttgaaaaat gaagtgcac ccaataacag gacgggacaa tcagagatga cttgggttgta 300
gtgtggaaac cagtagggac cttgggaagc tgccaaaccc tttctagctc tgggctcagc 360
tgtaagaact gctgattcct acaggaacac ttggacaatc caatacctaa atgttaacca 420
tcaattaacc cagtaaacct gcaagatgga aacgaagatt tgttctcacg agtttcacgt 480
gattatttaa aacacttctg ggggccagta gcccaactggg gtcttnccca ttgctgccat 540
cnatggtatg aaaagtctc                                     559

```

&lt;210&gt; 1779

&lt;211&gt; 786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (749)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (758)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (770)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1779

```

gcaagtccctc cattyttcca ccattgattt ttcctgccac agatattgac cgcattctcc 60
gtgctggctt tactttgcag gaagctcttg gagctttgca tcgagttggt gggaatgcag 120
accttgcaact tcttggtttt ctcgcaaaaa acatcgtagt tcctacatga ctgtgggaaa 180
gtgggctaga ccgttctcca ttccttttaa acaaaagaaa gctctctcta tatacacgca 240
cacatacaca ctcgccacat atacagtata tatagaaacc tgcaagcaga atgttgagcc 300
agatTTTTTT taaagatttt tttcggccaa agtaatttat gatcttttgt ctgatgaatt 360
tgtctatcct acttggttaa atttaggcct ttttaaattg attggcagta tgtgcataca 420
gaagcttttt attctcatta agatgtatcc tgggaataaaa tggatgggtt tgtgtgtarc 480
atactgtttt agaatgagag taaatgcttt gaaaagcaga agccatgaga aatcccmcta 540
cccatccagc taaaaacaga tgaactctcc aactgtgac tgtgtgtctg tgctgatggc 600
aaggatgggt ttgctggctc arttgtcaat ttagaaactt ttgaccacat aatttggtgt 660
ttggaattct acccagtgtc ctgtgtatca tgatkcatta attataacag gaaattggag 720
aataattgaa tatcttatcc gtagaatgnt atgttttnat ttgtgtgctn aagatttgac 780
ttttaa                                     786

```

&lt;210&gt; 1780

## 1114

&lt;211&gt; 688

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (634)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (652)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (657)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1780

```

caacatggtg aaatcccgtc tctactaaaa atacaaaaaa ttagccgggc atggtggcgg 60
gtgcctgtaa tcccagctac ttgggaggct gaggcaggag aatcatttga acccaggagg 120
cagaggttgc agtgagccga gatcacacca ttgcactcca gcctgggcaa caagagcaaa 180
actccatcta aaaaaaaccc acattttcat gaatatcagc catcaacaat gcagaaagta 240
atagactagt cttctgaatt attaaccta gcaattgtca ccaagtgaaa acctygggtca 300
ctaaaacttc ttggaatagc attcaaggct ttgctttaac acaaaacccc aaaacttggc 360
ggtacaaaac aaccattttc tgatggatcg ggaatccatg tctgaagtct cagctaagaa 420
gactccaagg ctgggttcca ggctggaact gcctggggca tctccccaca cacacactgg 480
tacttggctg gaccaccagc aggttctact ccccggtgtt cttcragtt tgtcagttgg 540
gctgatttgg gtttgctcac agagtattca gccaaagatcc caagatcaag tatccaccgc 600
ggcccgggcc ccaatcatct tgttttttaa acantcgttt tttgaggcag gntaggntat 660
ttcatttcca gattttttcg tgttacc 688

```

&lt;210&gt; 1781

&lt;211&gt; 548

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (501)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1781

```

aagtctattg gcacacctga catcttttga tttgaaaact ttgagggttaa tcactttgaa 60
cagttcaata taaactatgc aaacgagaaa cttcaggagt acttcaacaa gcatattttt 120
tctttagaac aactagaata tagccgggaa ggattagtgt gggaagatat tgactggata 180
gacaatggag aatgcctgga cttgattgag aagaaacttg gtccttagcc cttatcaatg 240
aagaaagcca ttttcctcaa gccacagaca gcaccttatt ggagaagcta cacagtcagc 300
atgcgaataa ccacttttat gtgaagccca gagttgcagt taacaatttt ggagtgaagc 360
actatgctgg agagggtgcaa tatgatgtcc gaggtatctt ggagaagaac agagatacat 420

```

## 1115

```

ttcgagatga ccttctcaat ttgctaagag aaagccgatt tgactttatc tacgatcttt 480
ttgaacatgt ttccaagccg naacaaccag gataccttga aatgtgggag ccaacatcgg 540
cggcctac 548

```

```

<210> 1782
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

```

```

<400> 1782
aaaaaaaaa atctatatatt tatrgaaata ataaaaaact aaccttagct tactgtaaat 60
tttctagttt agaaacttat ttaaaaaacaa tttttggact cttctagtaa taacgtagct 120
taaaacacac attgcatagc tgtacaaaaa tattttcctt atatccttat tatataagct 180
tttatctatt taaattttga attttttaaac tttttggtca aaaaccaaga caaacacact 240
agcctaggcc tatgcagggt caggatcaag acatccctag cagggtgacag gaatttttca 300
actccattat aatctgtggg gccaccatca tatatatatt gtacattgac cgaaacatgg 360
ttacatgact atataatttg cgtcaatact gtcagtggtg ccataattta atttacatga 420
ctatatgttg atattctttt caaaataaag tttatttggg agataaaaaa aaaaaaaaaa 480
aaagtgngcc gcagcttatn ccctaggngg ggtaattagc tggcctgcgg cggtttaacg 540
cggctnggaa cccgnggtcc acttacc 567

```

```

<210> 1783
<211> 537
<212> DNA
<213> Homo sapiens

```

## 1116

&lt;400&gt; 1783

```

gcacctatga catagtaaac ttgaagaata aaaactaccc tcagaaatat ttttaaaaga 60
agtagcaaat tatcttcagt ataatccatg gkratgtatg cagtaattca aattgatctc 120
tctctcaata ggtttcttaa caatctaaac ttgaaacatc aatgttaatt tttggaacta 180
ttgggatttg tgacgcttgt tgcagtttac caaaacaagt atttgaaaat atatagtatc 240
aactgaaatg tttccattcc gttgtttag ttaacatcat gaatggactt cttaagctga 300
ttaccccaact gtgggaacca aattggattc ctactttgtt ggactctctt tcctgatttt 360
aacaattttac catcccatc tctgccctgt gatttttttt aaaagcttat tcaatgttct 420
gcagcattgt gattgtatgc tggctacact gcttttagaa tgctctttct catgaagcaa 480
ggaaataaat ttgtttgaaa tgacattttc tctcataaaa aaaaaaaaaa aaaaaaa 537

```

&lt;210&gt; 1784

&lt;211&gt; 614

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (574)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1784

```

tgggtcaatc tcaggttcca gtctcagaaa ctgcagggtg ttgtcacctt tctgtcagca 60
tggatcaagc ccctaaaatg tggtaagtgt tgtcagagca gggcaatatc tctactctca 120
agtatgaggg gaatagaaac aaagcagcag ttttagccag ggttcaatga tagagtggag 180
gtaaattaag agcctccagg ctgtgattca ccatttgaga cattatacat aatttgtttt 240
tgttataagc catttgaatt tttaaaaaat ttcatacatg caatggaata tagatatgta 300
tatacacata taatatatat gctaaagtat aaagagtaat aataatgaca ataaacaaac 360
ccctgtgtgc ctaccacca ccttattgcc tttcctttga ggtaccgtgt gcggtttcct 420
gaacctatct ctatccctgt ctgatagagg gaaccctgt actgaacttt gtgttgacca 480
tagccttctt gtctttcatc actttatctc catgtatgta tccttaaaga ataataaatg 540
gaattaaact gaaaaaaaaa aaaaaagggc ggcngtctag aaggatccaa gctacgtacg 600
cgtgcacgac acgt 614

```

&lt;210&gt; 1785

&lt;211&gt; 495

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1117

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1785

```
aaaattaacc ctactaaag ggaacaaaag ctggagctcc accgcggtgn cgaccgctct 60
agaactagtg gatcccccg gctgcaggaa ttcggcacga ggcggtgtct cctctttgaa 120
attaagaact atctttcytg tagcaaagct gcacmtgatg atgctgcctc tcctctctgt 180
gttgtctggg cccttgttta caagcacgcg ttacccttcc tgaggggagc catgctctag 240
cccctggagg gcctgttgca ggggcagggc gggcccgttg cctttggcag ctccctggaga 300
gctgtggaca tgcagtcccc ctcatgtcgt gctgcaataa aggccatctt ctcttatttc 360
tgccctcctt tctctttgga ccctggagcc acaggctcag cctggcctgt cgncccggt 420
tgtcactgaa aagccccgga taccaagaag tcaccacacn aaagtgggag aagaaataag 480
atggccttta tatcg 495
```

&lt;210&gt; 1786

&lt;211&gt; 584

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1786

```
ctgctgagag ttggtaaaga ggatgggtcga gtgagatggt gttgacctcc ctggatctta 60
tgtcactaca tcctggacct caagaggggtc atccaagctt tttgaaagct gaactccttg 120
actggagaaa cctagacaag aggcggggcc aggtgcttga tatctaggag gcattcttcc 180
tcttccttg ccaccatgga gctgggcaca gtaagccata ttgtttcctg aagcaggagt 240
cccaggcctt ggctagagag ggaacagatg tctaacaaaa agagaagcaa ttcgaggaa 300
tgatgaagca caattaaaat cctctctggc tagtagctct ctggcttctg ttcatttgaa 360
gaataaatct tggctgacag tgggaagcac caggtttgaa atcagatggc tttattttyc 420
tttttttggc atttaaatca gtgaaataaa attattactg gagagcacag ttcgatttaa 480
gagaattcct cagccctgtt ctcaagtctt cttttgaaat tccatgacat ggtggwtaat 540
gggtaaaatg attaatgcct cctttgggtc ttmtactgat caga 584
```

&lt;210&gt; 1787

&lt;211&gt; 1333

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1238)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1264)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1271)

&lt;223&gt; n equals a,t,g, or c

## 1119

```

tcttgcatTTT ctaattgacc tgagggacat tccgTTtgaa atgtactgaa gttacagTTT 360
ctggTTTTTTT ctCcttattt ttCttataat gcttgaaatg tCtaactatt aaaaaagaca 420
attggaaaat gttatgcatg gggTTTTTaa gaaaacaaag tgttCttttt atttgactga 480
caattcattt tacactctat ataataaaat ctccacaagg catcttgTgg gcaaagtcaa 540
aaaaaaaaaa 550

```

```

<210> 1789
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

```

```

<400> 1789
tcgtgggctt cccagcatac ctgagaatag naatctgnca gaatattttg tggtctgtgga 60
tgTTaacaac atgttgcatc tgtacgccag tatgtctgtac gaacgccgga tactcatcat 120
ttgcagcaaa ctCagcactc tgactgcctg catccacggg tctgcggcga tgctctaccc 180
catgtactgg cagcacgtgt acatccccgt gctgccgccg catctgmtgg actactgctg 240
tgctcccatg ccctacctca taggaatcca tTTaagTTta atggagaaag tcagaaacat 300
ggccctggat gatgtcgtga tCctgaatgt ggacaccaac accctggaaa cccCcttcga 360
tgacctncag agcctcccaa acgacgtgga agagagcatc gtgatccagt gagccttgcc 420
cctaagcgtg tgtgtatgat ttgcnaccga tCgaggattt atgggagttt atgggacttt 480
attta 485

```

```

<210> 1790
<211> 565
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

```

## 1120

<220>  
 <221> misc feature  
 <222> (496)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (520)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (537)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (542)  
 <223> n equals a,t,g, or c

<400> 1790  
 gcctacgcgt cgcgccacgc gtccggtgga acagtttctg ccagataatc ctgtttgggg 60  
 gttaggaagg ctgatggcat gtgttttctg gactaacatt ttgcagccta tggaaatgta 120  
 tgttgtctat ttattcttat gaattgtgca atgactcaca agcctaagca gtgtcagtta 180  
 cagctcaacc ttggtagaaa cccgtggtgt tttgyttttt tttttgatgc gggggaaaga 240  
 ctgcattttg tgacgaattt attacctaac agaaagatct attttctcag tgataggcat 300  
 cacacaaggt gtctcctgtg acaacctca gattaggaga aaaaaagcac atgtctgcta 360  
 gaagacaagc tatgtgtgtg tgttgtttta aattctattc tgcaagggtg gatctgctgc 420  
 tggaagttgg ggttggttcc caaganggaa tattaaaaat ttggacccaa tgctccttgc 480  
 aaaactaggc atattnttac ttggaacaat ttattttggn aaacattttc cccaatnttg 540  
 gnttttaaaa ccagcccaac cttttt 565

<210> 1791  
 <211> 914  
 <212> DNA  
 <213> Homo sapiens

<400> 1791  
 agaagttgta catattcaga gttttccatt ggcagtgcca gtttctagcc aatagacttg 60  
 tctgatcata acattgtaag cctgtagctt gccagctgc tgccctgggccc cccattctgc 120  
 tccctcgagg ttgctgggac aagctgctgc actgtctcag ttctgcttga atacctccat 180  
 cgatggggaa ctcaattcct ttggaaaaat tcttatgtca agctgaaatt ctctaattat 240  
 ttctcatcac ttcccagga gcagccagaa gacaggcagt agttttaatt tcaggaacag 300  
 gtgatccact ctgtaaaaca gcaggtaaatt ttactcaac cccatgtggg aattgatcta 360  
 tatctctact tccagggacc atttgccctt cccaaatccc tccaggccag aactgactgg 420  
 agcaggcatg gccaccagg cttcaggagt aggggaagcc tggagcccca ctccagccct 480  
 gggacaactt gagaattccc cctgaggcca gttctgtcat ggatgctgtc ctgagaataa 540  
 cttgtgttcc cgggtgtcac tgcttccatc tcccagccca ccagccctct gccacctca 600  
 catgcctccc catggattgg ggcctcccag gccccccacc ttatgtcaac ctgcaattct 660  
 tgttcaaaaa tcaggaaaag aaaagatttg aagaccccaa gtcttgtcaa taacttgctg 720



## 1121

```

tgtggaagca gcgggggaag acctagaacc ctttccccag cacttggttt tccaacatga 780
tatttatgag taatttattt tgatatgtac atctcttatt ttcttacatt atttatgccc 840
ccaaattata tttatgtatg taagtgaggt ttgttttgta tattaaaatg gagtttggtt 900
gtaaaaaaaa aaaa                                     914

```

```

<210> 1792
<211> 310
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

```

```

<400> 1792
ttggagctgg ggtgtaactg gaggggcggg cccttctcca agttagagtt ggggttctga 60
gcgagtcgtg cgttttaggt ttagtgtctt ttccttgtcc ctgctcgggg agcgtgaggc 120
agatcgggcg gctttgctcc aggcctcagg agtgctcastc gcctnggctt gcacagtaca 180
ttggaacgtg cgggttctat tttgtattcg acgtgccgga tcgaaataga gctcgcggca 240
ctntgaagac cacagtagga agttaaggac gggggtgcag gttcgcagcc ctatcaacca 300
gctccgagcc                                     310

```

```

<210> 1793
<211> 1054
<212> DNA
<213> Homo sapiens

```

```

<400> 1793
aaatTTTTgt atagacattc ctttggttgg aagaatattt ataggcaata cagtcaaagt 60
ttcaaaatag catcacacaa aacatgttta taaatgaaca ggatgtaatg tacatagatg 120
acattaagaa aatttgtatg aaataattta gtcatcatga aatatttagt tgtcatataa 180
aaaccctactg tttgagaatg atgctactct gatctaatag atgtgaacrt gtagatgttt 240
tgtgtgtatt tttttaaatg aaaactcaaa ataagacaag taatttgttg ataaatattt 300
ttaaagataa ctcagcatgt ttgtaaagca ggatacattt tactaaaagg ttcatgtggt 360
ccaatcacag ctcataggta gagcaaagaa aggggtggatg gattgaaaag attagcctct 420
gtctcggtgg caggttccca cctcgcaagc aattggaaac aaaacttttg gggagtttta 480
ttttgcatta ggggtgtgtt tatgttaagc aaacatact ttagaagcaa atgaaaaagg 540
caattgaaaa tcccagctat ttcacctaga tggaatagcc accctgagca gaactttgtg 600
atgcttcatt ctgtggaatt ttgtgcttrc tactgtatag tgcattgtgt gtaggttact 660
ctaactgggt ttgtcgacgt aaacatttaa agtggtatat tttttataaa aatgtttatt 720
tttaatgata tgagaaaaat tttgttaggc cacaaaaaca ctgcactgtg aacatttttag 780
aaaaggatat tcagactggg attaatgaca gcatgatttt caatgactgt aaattgcgat 840
aaggaaatgt actgattgcc aatacacccc accctcatta catcatcagg acttgaagcc 900
aagggttaac ccagcaagct acaaagaggg tgtgtcacac tgaaactcaa tagttgagtt 960
tggctgttgt tgcaggaaaa tgattataac taaaagctct ctgatagtgc agagacttac 1020

```

1122

cagaagacac aaggaattgg tactgaagag ctat

1054

&lt;210&gt; 1794

&lt;211&gt; 797

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1794

```
ctggaaacta gtgggtcccc cgggcctgac aggaattcgg acagnaggga aaaatattgt 60
taggccacaa aaacactgca ctgtgaacat tttagaaaag gtatgtcaga ctgggattaa 120
tgacagcatg attttcaatg actgtaaatt gcgataagga aatgtactga ttgccaatat 180
acccccacct cattacatca tcaggacttg aagccaaggg ttaaccagc aagctacaaa 240
gagggtgtgt cactctgaaa ctcaatagtt gagtttggct gttgttgag gaaaatgatt 300
ataactaaaa gctctctgat agtgcagaga cttaccagaa gacacaagga attgtactga 360
agagctatta caatccaaat attgccgttt cataaatgta ataagtaata ctaattcaca 420
gagtattgta aatgggtggat gacaaaagaa aatctgctct gtggaaagaa agaactgtct 480
ctaccagggt caagagcatg aacgcatcaa tagaaagaac tcgggggaaac atcccatcaa 540
caggactaca cacttgtata tacattcttg agaacactgc aatgtgaaaa tcacgtttgc 600
tatttataaa cttgtcctta gattaatgtg tctggacaga ttgtgggagt aagtgattct 660
tctaagaatt agatacttgt cactgcctat acctgcagct gaactgaatg gtacttcgta 720
tgtaaatagt tgttctgata aatcatgcaa ttaaartaaa gtgatgcaac atcttgtaaa 780
aaaaaaaaa aaaaaaa 797
```

&lt;210&gt; 1795

&lt;211&gt; 364

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (203)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (204)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (218)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1795

```
acctttacct tctgtagtgc cctaattctag ggtctgtgac tagaaacca ggtcaattga 60
tgaaaatcca tgggagaaga aaatgtaaaa atgctttcag acattaggtg tatgaaatca 120
```

## 1123

```

cacaatataa aagctatatc atattttrtt agagggattt ttttgctacc tttgctagta 180
cttgacagat ttatataaat gttnaataaa atttggnct gagaaattgt ttccccccct 240
tttttttccc tgataaatgt ctctccaaca agcattgttg ctttaaattt agcactgtct 300
tcagcttttt attgctgatt cagtttctgt ggaaaggcct ttggaaaggt aagttctggg 360
cagg 364

```

&lt;210&gt; 1796

&lt;211&gt; 1267

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1226)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1796

```

gacgcgtggg atttcaaagc tggggagatt tcatttattt ccaaaatttt tcaaaaaact 60
tttactcagt tctgctgwtg tttattaact taagagtgtt cccatcccca tatttttagct 120
ataggaaaat tgtgctaccc ctgattcata tggaaattaaa aaaaaaatat atccctttat 180
tttgagtttt aagttgttat tttgctatac atttattact ggagtatctg gtgggtctgaa 240
atagtcaaaa gtagagttgg tattaatgt tccaatgaca tttattttta atacttaaaa 300
aatcatgtac tttgaaatat gtcaaagcaa cttctgataa tataacctgaa tttgtagttg 360
tctcttgagc atcatttact tcatcttaga tatagtgaag atctaggaaa gctctatatg 420
ctgttctttt ctacagttgt atttttgcag catctcctgg ttccattcac tcttgttttg 480
ggattttgtt tttagatctg catatttctt gtacatatgc atgcaaataa aagaaggag 540
tttgtagctg tgccmtttct ccttccagtt gctggttaak ggggatttgc tagaaaaaat 600
tctcccgttg aagggtgaaa acagaccctt atgtgtatay ctgtacagag atgtgtatat 660
gggatgtggt ggcactttgc tgaatgtgaa cttgccttgt caatggaaag attgaaaagt 720
attatgttta ttatatacat tgtataaatc tatatataca cgtatgtata tgtgtgtgta 780
tagataaagc tatatacata tatttccctt aaaaatgtgt gtgtataata ggtaaacagc 840
ctttgttaag caagattaat gtctatggaa agttctggat tattctgtaa gccagaggag 900
gtgacagtct agagtacatc atcagaacat actaaaatgg aagtcctttg gattatagtt 960
ttgtttatgg atattacaca atgaatgctt gtctgaacag ttcttacttg ccagttccac 1020
tattcttcat ctccaccacc ttctactggg cagtctttca tcaacttaaa aaaaaaatc 1080
acacatcatt gtgggttttt tcccccttaa ttctgtctct tctagccaga agcatctggc 1140
ttaagcatat tcatcaact tctctgttat ttcttttaaa ggatctttat ctctgaaatt 1200
ttcccagaag gatacaagtt ttgggnaata ttatcaatag gaattttgag gacttggggc 1260
attcatc 1267

```

&lt;210&gt; 1797

&lt;211&gt; 463

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1797

## 1124

```
ggctcttagat tcagatagga gattcttctt aagatgctcc gtgttttttg ttttttgttt 60
ttctgtagaa gcaagagcag tctgtgatag aattatggca gcaagttctt aaccctttcc 120
agattaccaa actctgagaa tctgacatag cctgagagtc ttttctctcc cttgaaaata 180
gccattaatt cagtgcactgt ttggagctgt gaggaaaaaa aaaaaaaga aaatagccat 240
tagctcatgt gtacacaatt caaggtacaa tatccagagc ttagagggcc cattttgggc 300
tctagattaa ggactttctac tacagaatat tggaaataaa tgtcaatgga ctgcttaaatt 360
aaattatagt acatccataa caatgggagt attgtgtgat aattaaaagg gagggagacc 420
tattatcccc tactttggac caacctccaa gatattatta ngg 463
```

&lt;210&gt; 1798

&lt;211&gt; 891

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1798

```
cacttcttgg ctaaattatt atatcaaata tattcaaatc atattcttaa actcatcgag 60
ccatttgaac aaaaattatt tttgttttagc ttcattgagta tctttggaaa ataatttggt 120
gaatatatat gattatgaga tattttctga taaacactga attttgaaac ctgaactcac 180
tatataattg cagtgttttg aaggcctgca tccattagca ttgcattata ttcacactgc 240
cttttttagt gaaccaagac ccatcttctg gacgacagat ttatcttaag atgaaagggt 300
gtataacatg cccacaaggc ataaaaatgt taatgatgca agtaagttct aagagtttaa 360
tgaccaagca aaactctacc accagatgct gactgcttgt tttgcagtgt tcaggaaaca 420
ccattttcct ggctcttaac gcttttgtat tggtaggaa aagggtggc agctatagaa 480
caggagatcc atagcatttt gaacagaagt atctggaatc tctactgactc gtgtgttatc 540
aaagctatat caggcctggg tgactgaatt cttgcagaaa gcagtgtagt ggccaccatc 600
caaatcacca aaatggttct atgggagaaa ggaatgtcaa acttagtatt cacatatgaa 660
cactaactac tggaacagaa atgatagggc caagagatgc tttttaaat gtcccttatt 720
ctaaattaaa aggaagtgat aattttgttg ttaaatcatg catatagcct gactgctata 780
ttgcttctca tttcattgta actacttata tgttgtgccc attgactatc atctgtgaat 840
aaagaaagac aatattttagc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 891
```

&lt;210&gt; 1799

&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (398)

&lt;223&gt; n equals a,t,g, or c

1125

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (425)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1799

```
accctatcag acgtgggctg tccccatcaa aatatctgta cttcttgctt ctgccctaca 60
ttggaagcag cagaaaagaa gggtaagcag gggtctagaa atttgtgtta tgttttctcc 120
ccactgtatt tatttctttg gwtagtgggt caagaaattc tgttttcctg tagcaaatta 180
ataaagcggt caaacataag gaattacgac aacagcttgt agatgccaga cttcaacaaa 240
cagcacagct gataaaagaa gctgatgaaa gacatcagag agagagagag tttgkaagtt 300
ctacttcttg gaaaaaaaaa aaaaaagggc ggccgctcta gaggatccaa gcttacgtac 360
nccgtgcatg ccgacgtcan aagctcttct ataggggnac ctaaaatcaa ttcactgggc 420
cgcgntttac aacg                                     434
```

&lt;210&gt; 1800

&lt;211&gt; 449

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (353)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (390)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1800

```
ctgttctgat atgctatccc tatttcatag ttaaatttaa aaccaaggaa ataaagtcc 60
gtattagttt ttttcttcct tgaatatcat gattatagaa atctttgctg atgtggacct 120
aaataagctt gttgttgaga cttccaragt tctgtcctgg gtagtttaaa agtctcaatt 180
ggccaaaact ttaatgaggt ttagttaa attaatacag aggaagggaa atttcaaaag 240
tatttacttc ttcactgaaa ggtgttgggt caaattcttc atctccatgc tattttggag 300
tttctcatta ctctttaact catcaaaaaa ttcattcttt taaatgcctt ttngtcctca 360
gctaagtaac aagcatactg cagaaatttn gttgaataaa ttaatgtgtg atttctttta 420
ggatggaaga gtgtagaaag tgggcccaa                                     449
```

&lt;210&gt; 1801

&lt;211&gt; 695

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1126

<221> misc feature  
 <222> (619)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (655)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (658)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (668)  
 <223> n equals a,t,g, or c

<400> 1801  
 ggnaaatata attacattac tattttaacac ctagcaaagc tattgtaggg tgtttccttt 60  
 tccactcaaa tatacacagc taggctaataa aaagagattc catttttggc tggcaagatg 120  
 tttgggcatc agtaatatc ccatatcata cattgttata atgtccctga tagtatttaa 180  
 agaaaggaat tgatattagc tagtgattac taaacagcac aattctgtaa ctaaaggraa 240  
 aagaaactca ctaccattta gtagtctaca accttagcag ccttgtcaaa aatcaattct 300  
 attatttttg cagtatagtg gtatctattc aattttgaga aactataact gcttcacaaa 360  
 cacttacatc aagctaatac gtatttgagc catccataaa cagactatgt agaaaagcca 420  
 aacatctcat tagctacttt ggagttctcc ccttattttt aataaatgtc tgtcattaat 480  
 gacgtcacta ctgaagacca tgaaaaaagt atatagttga cccttgaaca acatggggtt 540  
 gaactgcaca ggtctactta tacacagatt ttttttttaa ccaaatgcag atcaaaaata 600  
 cagtactgac aagatgcang aaccygkggt ttatgtgaaa tctctgtata ccaanaang 660  
 gcccgacntt tattttcttat tattaattgg gggtt 695

<210> 1802  
 <211> 910  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (29)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (40)  
 <223> n equals a,t,g, or c

<400> 1802  
 gctttctcca gctctgagga caataagcnt ggaaagcgtn tccgcacaaa ttccagaagc 60  
 actcccacta ccctcaagg gaaaccagag actactttt tggaccaagg ctgctcttct 120

1127

```

ccagtgttaa tcgactgtcc ccacccaaac tgcaacaaaa agtacaagca cattaacggc 180
ctgagggtacc accagggtca tgcacactta gaccagaaaa acaagctgga gttcgagcct 240
gacagtggagg acaagatctc ggactgtgag gaaggattga gtaatgtggc acttgaatgc 300
agtgaagccaa gcacaagtgt atctgcttat gaccagttga aggcaccggc atyccctggc 360
gctggaaaacc cacctgggac cccaaaggga aagagagagc tgatgagcaa tggcccaggt 420
tccattattg gtgctaaass tgggaagaat tctggcaaaa agaagggcct taacaatgaa 480
ctgaacaacc ttccagtaat ctccaacatg acggctgcgt tagacagttg ctccggcagca 540
gacggcagtt tggctgctga gatgcctaaa ctggaagcag aaggattaat tgacaagaaa 600
aatttaggag ataaagaaaa gggcaaaaaa gctaacaact gcaaaacgga caaaaacctc 660
tctaaactga aaagtgtccc gccatttgcc cctgccccag cccccactcc cccgcagcta 720
atcgctatac cactgtcaac ctttacaacg accaccactg ggacaatacc cggactgccc 780
tccctcacia caactgttgt tcaggctaca ccaaagagtc ctccgttaaa acccattcaa 840
ccaaagccca caattatggg agagcccatc accgtgaacc cagctctggc gtcactcaaa 900
gacaaaaaga                                     910

```

&lt;210&gt; 1803

&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1803

```

catttactct gtgtgagctc agcagaattg aattccaact tggatatagg tgtccatggc 60
gttctactta ccctgggttc cgccttcttc cttgcctggc ggcctttcat gacatcataa 120
ttttgatctt cctttgttgg atactctgat cttgttcaca gagaaacata agcctaaata 180
tatggtggtt attttttgtg ttgtggcaga ctctaaatac tgagtctact cagcgttatt 240
ttgcaactag agtggaggaa tcctaaagtg ttaaaagggc tttgaagatt gagtacgcat 300
ccttatcata cagtgcagaa gtctgaatta cagagattat gcagtgtatc gtggtcaacc 360
agtaaatatt ttgtccgtaa agtacgggtc agaaatctga gattacagag attatgcagt 420
gtatcatggk caaccagtac attttttgtc gttaacatcc agagccactg acaggggagg 480
tgaaaggcac agagtgaatt tttttgttcc ttgggctttt atcaagtttt gaagggatag 540

```

&lt;210&gt; 1804

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1804

```

cccaacccgg cactcacagc cccgcagcgc atcccggctg ccgcccagcc tcccgcaccc 60
ccatcgccgg agctgcgccg agagccccag ggagggtgcca tgcggacggg tgtgtggtgg 120
tccacgtatg gatcctggcc ggcctctggc gcggtggccg ggcgccccct cgccttctcg 180
gacgcggggc cccacgtgca ctacggctgg ggcgacccca tccgcctgcg c 231

```

&lt;210&gt; 1805

&lt;211&gt; 388

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

1128

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (382)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1805

```
cggacggtgg gtgagagatc tgggtggggag ctgatgttcc agtttgaggg ccctgcagct 60
ggagacccgt ggggatctga tgttccagtt tgaggggtgg gcnatggtga cccaggcggg 120
agctgrtggt ctagttktag ggccctacag ctggagaccc ggggargagc tgacgttccc 180
wttcgagggc tgtgcaggtg gagacctggg gaggartga tgttggttcta atttragtgt 240
ggtgcagctg gagatccagg gatgagatgg ccctgcrgtt caaatatgag ggtcccggag 300
ctggactcta cgtgaggaac caatgctgcc tctgatgtct taggttggtg agctggaaac 360
tcgcgaggga actggtattg gngttcta 388
```

&lt;210&gt; 1806

&lt;211&gt; 284

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1806

```
aggcagaagg ccacgagaga gagaggagcg nggagagtgg tgaggaggat tcgtctetra 60
ctgatgaacc tcgccgtgcc tgtctgtcac atccaagtct gtgccagctg ctgggaggtc 120
agastcctgc cctgagaaac agcccagtc tggagaatg aaaccctgag ggtcagtga 180
tggaggcctt ccctcggggc cagccattcc cgggargcct gagttgtgac ctggaagctc 240
trtgggtcmc caaractggc attttccttg ttatttttgt tgca 284
```

&lt;210&gt; 1807

&lt;211&gt; 334

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1807

```
gtgagccact gtgtccagca gaaatgtact ttctagaaag aaaataattg gtacttcact 60
actttcccag ggaattcctt caggtgaatg tccacccttt tgatctagaa gcagactcac 120
aattttgttt gtttggaaca tcagcctctg agtcaactt ccttgctctgt aaaatggggc 180
taaggaaatg tgggttgctt tttcaaaggt tactgttagg atggaatgag atcatgtgtg 240
taacaaaggc tttggaaact ttctggaatt tgaaggctat ataaataaaa gatggaccac 300
tctttcctta aatttggcac ctttcctgtt cttt 334
```

&lt;210&gt; 1808

&lt;211&gt; 921

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;



1129

&lt;221&gt; misc feature

&lt;222&gt; (486)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (812)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (845)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (876)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (888)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1808

```

gttgtgctga agaatggcag agtacctgat ttatttagtc tcaaacaatt tcaactgcctg 60
ctatgttcaa gaccocggtag gtttaatgct ctgtagtagc tataatgtaa atgtaccatg 120
aagaaatgct attttcttct acttattctt catttcaaac tattgtctta tactagtgtc 180
aagcattatc tgtttgatgat ttgctgaaaa acaaattctt tgtcaaagaa aatacttccc 240
ttaaaaaatga gaaagcaatc ttaagtctca taaatctaata ccaggatcct tctatcataa 300
acttaactgt cttgawtttt actgagatta gccmaaatca gagccaaaaa attccccctt 360
gcactaattt gttaccctta cattgacatt aaagggttgg catttaattc tccatcttga 420
tcttgaacta aatttcctga agaactgtaa ttgttacaag ccttgccact caggcatgtc 480
atgaanactc acttctgcc aatagttat agctattaaa ttcctctgtg ataacttttt 540
tgttttccta actctaaatt aagatttggc acacagtaag acaacacaat ctaacaaaaa 600
agaatctgga tgtagatttt aatagatttt gaatttaaat tcaggctgtg ctggttacca 660
actaggttac tttaggcaaa ttatgcaatc tgtgtgatcc tcagtttctt cttctgtaaa 720
gtgaggatgt tacctacttc atggcattat gtgaagattt aaagggatga ctttaaaagc 780
gcctattaat tgtctggcac ataaaatatt cnataagtgg tattattctt aaaaaatatt 840
atgancctat tgcctttgtc tgtcttatac tctgantgat actaattnaa ctaccttatg 900
gctgaagggc tgcttaatgc c
921

```

&lt;210&gt; 1809

&lt;211&gt; 856

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (628)

&lt;223&gt; n equals a,t,g, or c

## 1130

<220>  
<221> misc feature  
<222> (764)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (805)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (817)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (837)  
<223> n equals a,t,g, or c

<400> 1809  
aaggaagtgg gatactggct ggcattgtca gtgttctaag tttcaggcat ttttattttt 60  
cctggctaaa cgttggtgaa agttataacc tcctgcctgg gagaaaatat acatcaccta 120  
aaatgaactt atggcaggct taatcaaaag gctaaatata atttcagaaa aggttctgat 180  
actcttggtt ttgataaagc attttttcaa ctaaccatga attaagatga gtccatttgc 240  
ctcttctgcc ttcactgagg gtttgggtta tacacctcta ctgaattgtg ttaataactg 300  
tttggcagtg tgtactttgt ttttgtgagt catgtctcat gaaatttatt ggaatgttta 360  
atcatatttg ctaagaaatg tttctgctgt agttggattt gcccataatt atgtagggtg 420  
ttttaatttt ttaaatggtg attagtgtta aaaatcaatt taaatcatga ctaatatggt 480  
aaaaagataa agcatcaaag cagtatttct cattcctgcc tcctcaatat ctaatactgg 540  
gaagatactt caaagaatat tgagattgtc tgaagtttta gttaagattt tcacacatta 600  
atatcaaaaa agtaagttta gtatttgntt ctccatgggt tatttgtaaa gctgtaaact 660  
gagatatcgg tgactccgta ttatgactcc attagtgagc tgtgggatgg gtaggatttt 720  
ctacttcttc tgtactttta cctggagact atttttacta aggngettta taatgggggt 780  
taaagcattg catttaccaa acaanggaaa atgctgnaaa tattgcatat tttatgnatt 840  
tggaacaaaa gggtag 856

<210> 1810  
<211> 662  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (584)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (615)

## 1131

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (629)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (662)

<223> n equals a,t,g, or c

<400> 1810

```

tttaaactat gaaatgagga atgtaatccc ttctataaga tgtatactct ttgttatttg 60
ttgttaaatt ttggtcttgt tattccaact gatgcaaaat tctttttaca aagcactgaa 120
ataatacaga tttttcttca ttgtcagcag gatgagattg tctgaaacga agaataggta 180
tgatagtttt cttagatttt gcacatcata ggtggcaaag acactatcaa aacataagtt 240
tttaaagtga ctaggaaagta ctttgtaaaa ccaaacggtc tgaagaaagt gacaggtaat 300
ttgtgagaat aaaactaaat tattggggta gtgtcttacc tctttgtata tttaaagtgt 360
ctgtttttta acatgtaaag gttattttta tttgtttag attgtgttag catgctataa 420
atgttagaaa gttcacttac aatctacttt aacttgaaga aagagagaaa tcgggtccaa 480
attgtatagc attgattgca acctagtgtg gcctagtaga atttctgagt tttaaaatgt 540
tttaaataat caaaatgtat ttatttgaat tcatatcctg gaantatata tgtatcttat 600
taaactctta aatnattaa atgggcaant gattaatctt taagtccaat tgaaattggt 660
gn

```

<210> 1811

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1811

```

tggaaaaagt attttaaaac cttcatcaat ggaaaagtgg tttgggggtc ctgggttgac 60
cacgtgaaag gatggtggga gatgaaagac agacaccaga ttctcttcct cttctatgag 120
gacataaaga gggacccaaa gcatgaaatt cggaagggtga tgcagttcat gggaaagaag 180
gtggatgaaa cagtgtctaga taaaattgtc caggagacgt catttgagaa aatgaaagaa 240
aatcccatga caaatcgttc tacagtttcc aaatctatct tggaccagtc aatttcctcc 300
ttcatgagaa aaggaactgt gggggattgg aaaaaccact tcaactgttg ccagaatgag 360
aggtttgatg aaatctatag aagaaagatg gaaggaaact ccataaactt ctgcatggaa 420
ctctgagcaa gatgtaaata aaattaaaag gtggatggca agagtgcata tactatcttc 480
aatccttcag tcccagccag aagaatctct gaaagcatat tgtgaatgta tacaatgtag 540
tacaacaat ctctgtgatg attaacagta tgtcaccact tcatttttta aaaaggatca 600
cgtctaattgc ccattttccc aactattctt tccaaagtaa gatataaggt agcttaataa 660
actaagtaaa acgtaaaaaa aaaaaaaaaa a

```

<210> 1812

<211> 615

<212> DNA

<213> Homo sapiens

<220>

1132

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (578)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (583)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1812

```

tggaanaat ctactact attttgcaa agctggtacg cctgcaggta ccggtccgga 60
attcccgggt cgaccattc gtccgcnnca gcctctctaa gtaggaggcc ccagtgggag 120
agatgggctt tgactctggg gtcaaagtga gataattgga ctatggacag tggctggctg 180
gtcaccaaca atgggtgttg aaacaaacat ttagaggcca tatttgggct tataaaaata 240
gttctgggcc gtgcatgggt gctcacacct gcaatcccag cactttggga ggctgaggac 300
agcggatttc ttgagctcag gagttgggag accagcctgg gcaacatggt gatacctgtc 360
tgtctcttta aaataaaaaa aatcaatgaa gttatgtgat gggctcatgg ctacaggtgg 420
agaaaggcag tgcataatgca gcctcctcca tccttgacta aggctgacag agggctgggc 480
ccaccaytgc tcaccctgag gcctcgtctt ctgactcccc tcctttcatt tctaggtggc 540
attggtgarg ctgtgtccaa gagcagtaag tggccaancc tgnccattact gttaccacc 600
tggcagttaa cccggg                                     615

```

&lt;210&gt; 1813

&lt;211&gt; 1205

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1813

```

atatttttg ctcttgggag ctctactga aagtgtgaa atgtcgtact gacacttcag 60
acttatagct acctagactc caagtaagat ttatctctga ctggagggtt tctcctatta 120
aaaaccaaag agtgtagggt gccttcacct gctaggtaat cttctatgcc ctaatgggaa 180
gaatgggagc agcagacaag taagtgcagg aaggagaacc aaagctgtgt ccattgccctt 240
gaggaaagag aaattggacc agacaagttc agtggaaact ttctaattgga tccatcaact 300
tcatcttgtc taagcagagt catagctaga atgtgactga aataggagaa ccacgtccag 360
gggtcagggg ggattcctct gaaatcgcag ctggaacatt tcgtaatagt tctgggtactg 420
cacccataga tactgtcacc tctactcttt cttccaatca ccattagcag atgccacagg 480

```

## 1133

```

attcctactt ctgaaagttt ttgggccccg cagtggcaag accggagaag ccaataaagt 540
ttaaggctac atgtttattc catccacaaa ttgggtgaag gaggaatgt ttacaattct 600
gccatgccat gaataggagt ttccaccgg gtgtacactg ctgttaacaa ggtgtaaata 660
cttgtccagt aaagagaccg tacgtactgc tgatgggacg tccaacaca atgccagatg 720
caaaaacttc ttgggtgatt gcttttgata aactgagtg gctaaaggtc ttctttcaca 780
tctttgccc cctywaatcc tgaaggcaag gtctctggaa ttgagctgt gccctcacat 840
gcctccaagg caccaacaaa gcaaatgaa gagtctgcac tgcttatcag ttgacccaac 900
actcagtcca cattggaggg gaaggggtgg tgggctgagg atgtcttctt cctgtccagg 960
atgcaatatg gtcaaggatg aaaggaaaga gatgctggga gcaagtctgc attgaagatg 1020
tatttctgtt gctttactac caaccctggt tataaatgat gaaactataa tgggtctgta 1080
atagctactt tcccatatag ctcttgtctg tacatacata aaattaaaaa waatagaaya 1140
cttccattac taacatgtgg tgacaagcat tcttcattta ccatttttat tccaaaaaca 1200
tgatt 1205

```

<210> 1814

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 1814

```

gcggacgcgt gggcggtgct gtggctttag acaagtcttt taaccttgct gtgcttctga 60
tttctcagct gaaaaatgga gatgatgata atggtttctg taaggcctta tgggtgaagca 120
cctagctcag ggccctggaag gcagggtgtaa ccagtgggtc agttgttata aacgaacact 180
aaccctcgcc tttgcacctc atgaatccag atatgtagat ggagaccaca aagctagcag 240
gagccaagct cacgtgtgtc ctgctttaa gccccatacc ctttctccg ggtgacaaac 300
acctgtgtct gttctcttcc cttcccctct tccccttgca tttggctaata aacaggccag 360

```

## 1134

```

ctgcctgcct ccctgcagtt tggtagatgg gtgggtaatg accaccactc cccacgttcg 420
cctgatgggc ttgttttccg tgcccttcac aggcatctgc aacaggcccc agccaggcct 480
gaagtcaccc tcagaaggga tggatcctga ggctgccatg cccagctggg caaacatgag 540
tctggattct tncceggagt cggtcncctt ggctgtgang ctgganggag atgaactgnt 600

```

&lt;210&gt; 1815

&lt;211&gt; 565

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (526)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1815

```

aaaatgatat actactattg cttgtatatt gtggtatacg gtgtcagggt tcagggtttt 60
ttttcaacgt taaatattct agaaactttc tgaaataatt tctgtttaaa aatattgaat 120
atttgcttca tttcaaatac tcccttttga caaaaaaact taggtataac tgttgatgaa 180
aaaccagaaa aaagtccaga actccttggg gactccaact atggatagct tattttgaaa 240
aaggagaatt gcaaatttta ccaaaagatg gagaaaagca cattaataag ataccaacat 300
tcagaaattc atttcagcag ttattattgg aaatatttaa actaatttag ataactataa 360
gatacttatt gtccatttat acccgtaaag ccgtttttaga agtaatatat taggtaatcc 420
aaaagtacta aataaatcat tttagttatg agaaatcttg cttatagaca aagaaaagaa 480
taacaagttg tcaatgaaaa gatgacatk gaaacatttg atgkcnctct taamctacct 540
attgactata ttaagccttt aatac                                     565

```

&lt;210&gt; 1816

&lt;211&gt; 286

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1816

```

ggctctgggga gggacctgaa actatagatt tctgacaagt ttccaggaaa tgctgatttt 60
actgttcagg gaccacactt tggaaaccac acaaatagga atctcatgca aaccaaggc 120
acctatcaaa aaattttcaa ccaagtgatt ctgcatgaca agggccagca gtgctaggga 180
agaaacaaca ttctgttctt tggcccgta gcaatgacca ttgccagagc caaactgaga 240
aragtgggct gtctgttcaa ggaactgaaa tatataatct tancaa 286

```

&lt;210&gt; 1817

&lt;211&gt; 1320

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1135

&lt;222&gt; (1304)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1817

```
gacgggggttt caccatgtta gccaggctag tctcgaactc ctgacctcag gtgatccacc 60
cgccctccgcc tcccaaagtg ctgggattac aggtatcagc caccgtgcct ggcctaataa 120
ttggaacatt ttcacatga aaatgtcatc agctttgcc aagaaacaa ccaattgact 180
tgtktggcgt ttgttttcca ttttcatgtc aattttatgt atacagttag aatacccaag 240
gagaccacta aaatcagtta aacaagtagg gtatatacaa agaaagatga aacccgaaaag 300
tacataaaaa ggattttaat ccgatttttag atgtacctag tgtgtatttc ttatctctag 360
acaagttcat gtttattgtt taattttatgc ccaagtgaag ttgtaaactt atgggttcaac 420
tctgacacag aatttgtcac ttgtctgagg tcagtggcag gtttctctgc tgtcaacact 480
ctgtgtcacc caccagatta gtataactat taattcagac tgtactccta tgtttaagat 540
aattttttaca agagctggct gaagcagcac attagtaacc tgacaagatt tcttttttyy 600
ttttcagggg gaaagggtca ccttaaaaat aaattatttt cagggacttt gggaatctaa 660
tgataaatat tacacataat ctatgaatag cttaatcctt tatatatcc ttaaaatagg 720
aattcctcga catcactcct ggccacactt tccttgccctg tgttggtgct atgtgtattt 780
gaaagtaata tctgcattcc ttttaagatg ttctgtaagt catatttgtc agttatacag 840
agtagtcttc cttttcccca cgttcagtgat aatctcactg aacagtaata atagcaatag 900
ctaacaacat ctgcacagca ccttacagtt tgcaaagaac gttcacacat tctcatttga 960
gttttgcata gtgaacctgt tacgagatgt ctcttgacgt cgatgctaaa agtggttagaa 1020
tctttacatc actagagtca ttgaatatgc tgtagtattg aatagtgcc tgactagggg 1080
gaggatttgg atgtgctgca tttcaagccg tgtataatca tcaaaatggg gggcttgagt 1140
tcttttagcta cttgaatccg atttacttct gttaagtgat gcttttctaa ccgttttctg 1200
gatggatttt gtattcacta tattgtagct tgtaatttgt ataaatgtac catctgatgt 1260
cattaaaaaa agtgtttgta gtgctaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 1320
```

&lt;210&gt; 1818

&lt;211&gt; 821

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (816)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1818

```
acaagtcaaa atacagagat gatgtaagca ttgcatttcg tatgtagaga tggtaaaaga 60
tgactatgag gacgattccc atgttttccg gaaacccgcc aatgacatca catcccagct 120
ggagattaat tttggtaacc tccctcgctc tgggcgtgga gccagaggag gcacccgggg 180
aggccgggga aggatcagga gggcagagaa ctatggaccc agagcagaag tggatgatgca 240
agatgttgcc cccaacccag atgacccgga agatttcctt gcgctgtctt gaaagagccc 300
tgtttccag caccgaggag ctgcaactgca cacctgtggg gagacttttc cagctggggc 360
aagggagtca gactctaaga acaatagatg ttgcttttcc cgtgtcatgt aaatttgttg 420
cacttttttg ggctgagctg ttagaggggc ttctccagag gctcgagagc aggccatttc 480
ccaagaagat gaagaatggg gactgtgttt ttattgaagg aatttcaaat gaagaataat 540
gtttaaaatg tgtatataga gatagtatag actcctccgc ggaagcatgg agggaaagga 600
ggttgtaaaa tagactccat ggagactcct aggaagcagt agattcccg gggctgtgcc 660
tttagcgtaa gaggaacac atagagctgg aactgttaat ggaaagcagt cacagctgag 720
ttttcggaga ccaagaaatt aaaatacaat tgcacttaca aaaaaaaaaa aaaaaaaaaa 780
```

## 1136

aactckaggg ggggcccgtg cccaatcgcc ttgtgntgca t

821

<210> 1819

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<400> 1819

gctagtytct agatcgcgag cggccttaat gttatcgaag gagaaatgtg aaacttgagt 60  
ttagggttac tgccgaagga agaccaaatt gaatgaaatc tggccttgga attggctgta 120  
gattcttcct cctcgaattg ttactgaaaa ggagtcctta aaattgaaaa tgtagcaga 180  
gcattttgta gtgttacagg ctttggttaat ttttcattgt agtacctgtt gctggcagag 240  
taacttttca gaattgtaag atttgatata aacctgaatt caaggtaaaa tttagtcgtt 300  
aaactgcacc tgacgagatt atgtccaanc aggctttata cgtattgcac tgtggaaact 360  
tncaaata 370

<210> 1820

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c



## 1137

&lt;400&gt; 1820

```

ggaggagccc agcagagtc ctgggcagtc tgacccttt aattgtggac taacttctcc 60
cagaacccat gataaggagt ttctctcctg attgaggata ccaagtgtgt gactgttagg 120
cagagcattg cagccccatt ttggtgttga tatggaaatt cctaggtcac tatgcagaca 180
agaaaaccag gacccagga gccagaaaaa cttgctgcaa gtctctagtt tgctcctatg 240
aatgcccctc caccctggaa gaagccctag acagtcctgt ccttctttc ctgggtgcac 300
gtgtcccctg ntgctaggcc tggggcaatc ctgggtggt ttggctggcc cttgggggct 360
gggcttnctc cctgccancc tgccacagnt gcactattct ct 402

```

&lt;210&gt; 1821

&lt;211&gt; 348

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (294)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (306)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1821

```

gattttattg ttacagtga gagagccaac tcacagattt agatgatttt aaagatgcag 60
ttcaaattag ggaaggatgt aaatactgtt tttcaattag ngaattaaca gttgcaaaag 120
tgggttactc catagagagc ttgtgatttc atgaaagcca tcaaagagta aacctcttgt 180
atagacagat tccttaattg ggtgtgcgtg ctcacacgtg tgtgtgcaca tctgggtgtg 240
taatatatgt atgtgtacct cagtctagg gctgtggtaa caaagtacca caanctggct 300
taaaanagaa atgtattctc acaagtcggg aatcaagggt ttgacggg 348

```

&lt;210&gt; 1822

&lt;211&gt; 512

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (154)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (447)

&lt;223&gt; n equals a,t,g, or c

1138

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1822

```

aattcggcac gaggaactt ccattgctct tcaggacaat tatgagatca gatatacagc 60
tatctctgtt ataaagaatc ttttgataaa acatgcattt gacacaagat accagcacia 120
gaaccaacaa gccaaaatag cacaattgta cctncccttt gttggactac ttttgaaaaa 180
tatacagcga ttagcagggtc gagatacctt gtattcttgt gcagccatgc ctaattctgc 240
atccagagat gagtttccat gtggctttac ttcacctgcc aatagaggga gtctgagcac 300
tgacaaagac accgcttatg ggtcttttca aaatggacat ggaattaaga gagaagattc 360
aagaggttcc ctcttccag aaggagcaac aggatttcca gatcaggga acactgggtga 420
aaatacccgga cagaattcta caaggantat tgtatccan tataaccgcc tggatcagta 480
tgaaatcaca acctcctgat gttgctacct gt 512

```

&lt;210&gt; 1823

&lt;211&gt; 940

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1823

```

tcttgattgt gataagcccc cctggaggat atgattcaact ttatgtgatt catcttattc 60
acaggctctgt gagggactgc gaanttactc aggaaatgaa aacaaatgat ggtcatgttg 120
cagttttttc cttgaaggac aaccgaacca tagcctctaa agttcaagt cactgaggtg 180
tcggaacgct gaaagcatga ggaaacgagg acgtaggggtg tgactgaatg gtggctagat 240
tagtgaggagc agttcacctg gatgaagatt gagagcatcg tctttgagaa gtgaaagact 300
agcaagaata aaataaatta agtccagtgt ttgagccaag gttgccacct gtctcttaac 360
atctcactga acataagtcc tgaggtatta ggacgaccat actgcctctg agctgaaaac 420
attcaaaagt tcacatccct gtttggggga taccattcac cgccttcagc ccagatgata 480
ctttccttta aatctgtgtc tctgtgtgta taacaaagag gaagatggaa acaatgttca 540
tggaactgc tgttgagccc cttgtccac cactcccgcc atctgctgca ggcaggaagg 600
catgtgagt tacgttttct tccaggagac atcagggtccc ccyggattca aattaagtgc 660
aatattttgc aaacagctct tcttagggaa atctcctgaa ggaaaaaat gtgacagaat 720
gttccatagt ctgagagaat ggaatcgttg agcathtagt acaagtccag tgtgtgtgag 780
cgggacttag gcagctcaag cttgtctttt tttttaagcg tacaattgag tggttttagt 840
aaattcacia acttgttcaa ccatcaccac tatctaattc cagactcacg ctttttttaa 900
caataaatgt catttcatga aaaaaaaaaa aaaaaaaaaa 940

```

&lt;210&gt; 1824

&lt;211&gt; 502

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1139

<221> misc feature  
 <222> (19)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (73)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (163)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (309)  
 <223> n equals a,t,g, or c

<400> 1824  
 gtgctccacc gcggtgcgnc cgetctagaa ctagtggatc ccccgggctt caggaattcg 60  
 gcacgagcac ctncgcagcc ataccagga gaaagtggta gcctgcccc cctgtggggg 120  
 catgtttgcc aacaatacca agttcttaga tcacatccgt cgncagacct cattggatca 180  
 gcagcacttc cagtgttctc actgttccaa gagatttgcc acagagcggc tattgcggga 240  
 ccacatgcgc aaccatgtga atcactataa gtgccctctg tgtgacatga cctgcccgt 300  
 gccttcctnc ctccgcaacc acatgcgctt tcgtcacagt gaggaccggc cctttaaag 360  
 tgastgttgt gactacagct gcaagaatct tatygacctc cagaagcacc tggataacca 420  
 cagcgaggag ccagcctaca ggtgtgattt tgagaactgc acttcagtgc scgatccctt 480  
 gctctatcaa gtcccattac cg 502

<210> 1825  
 <211> 641  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (38)  
 <223> n equals a,t,g, or c

<400> 1825  
 gagtgtgttc ctgtgggtgc ctcagctctt ctacttttaa tttaaccctt aaatatacag 60  
 tagtgtggat ggaagctggg gaatgaactc ttgccaacag aagatttata gtcttatgaa 120  
 tgagtaaatt ctatagcttt ggaggttagt ttagaaagaa cggtagctgt aaattctgag 180  
 tgtttttgtt tcagtggggt ggagtttaga atagcttttc cttgtccaat aggaagtggg 240  
 taaattgcc aaccactgag atcactattg ttgactcaga ttcaggaata agattagcgt 300  
 aggaaagctg tcgagtaacc ctggaattgg ggctgggtgt gattctgttt gctcttggct 360  
 ggtgaggagg ctatgagttg gtatagccag tgggccagg atcctgaatg tgttgctaaa 420  
 ccatatactg ctttccatgg gctgttttta ggggccaggg ttggaggaga tatggtgttg 480  
 ggtagcaact tgccctgtaa tagatggaga gctgttttct ccatggctcc tgcagtgtga 540  
 gaggtgaggt gccagcttag agaaaattcc agatcctcgt tcatgattct taagcagatc 600

## 1140

cagattctta agcagatcca gattcttaag cagatatagc a

641

&lt;210&gt; 1826

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1826

```

tcttccaggt gactctctcn tcttggccag naatagcccc cagacttttt ttaccccact 60
ggggtcaaag tttcccatgg accaaggaaa gaancttgca gcctttcttt aaaagcttag 120
gccctggacc ttggcaccag catcactnct cgctgtattc tattcatcaa aagcacttga 180
aaccaacca gatattgttca atggggagca tccatgtata gcccgaattt gagacaagct 240
actatccttt aaaagacagg acttgcaagt gatgggaaag aataaaaacc cttccacagc 300
catgtctata catattaatt attattttca tctctccccg atatgtatat gttagttaa 360
trtggtgaat aatataaaac catttatttt tttcaaaatt gtagaattga aagaaagggt 420
aataggaggc catgctgaaa aaaaaaa 447

```

&lt;210&gt; 1827

&lt;211&gt; 590

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1827

```

tttttgaatc ttccttaagt ttataaatat ttatttttta aaagaagatg ctgtgcctgt 60
gagaccatac tttttttttt tttttttttt tttttttttt ttttggtgac tgcaaaggac 120
agagaacctt tccactttgg ccatactggg ttgctaagcc ggagccattt cagctcctgg 180
ctcctcaaga taacggcgag tccagtgcc a tcttgagaa gctccagggg cagggtgac 240
ttttctccta caggaggaac aatgtgggga tctgagggat gggagggaga cttcccccta 300
gagtgggtgt cctgctgggg gctcatatcc agggacccaa aaggggggct gtgtaggagg 360
ttccacattg gaggggctct ctctctcgca gctgtcagag ttggtcctgg ctgtggcgtc 420
caaacagctt gagggaaaaa gatcctgtct aaccacctca tctactactc aagttctttc 480

```

## 1141

tgaaggaggg atttcttcag ttaaccatgg acagtgaggt ttctcaccac agtaacttga 540  
gtccaggttg agggggagac agatctgttg taaatctctg acttgggcag 590

<210> 1828

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 1828

ggnaattccc gggtcgaccc acgcgtccgc agaaatgtta caagagtaag aggttcttac 60  
ttgtacatag gctttctctg tgaaaacagg cccctgctgt acagattttg ggtacataat 120  
ttagctcttt tagtcaatcc aagagattta agtgaccccc ccccccccg tttttttttg 180  
tttttgtttt tgttttgaat gccatgtaaa ggcttttttg ttaagacctc acttttaaaa 240  
ctgccttaag tataaatagt acctttggaa tayatttagt tcatcatttg agctgccttc 300  
atactggttt cctcagcctt ccttcagcct gtaatatatt cagcccactg ttacacctgt 360  
ctcaataaaa ggtttctaata gccaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420  
aaaaa 425

<210> 1829

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1829

gtattacaaa tcttattgta cgcattttgt actagagaaa aacactgaag cagttgctca 60  
aactttgttc aacatcaggg aatttatatt ggagaaaaat cctgcaaag taatgaattt 120  
ggaaaaacat tttttttcaa aaactacggc gtagaaaaca tgaatttata ttgaaatgtg 180  
tttttgcaga tgcagtaagt atgaaaaata ttaataccaa aattgagtct atgtaaatat 240  
taaataatatt acagtagaaa taactaaggc actgacactt tagacattac actaaaacag 300  
agtgttgagt ataaaaaaat ctataagttg ttagattatt tgtaaataac tttaaaagga 360  
gtagaagatt cctttgggag ag 382

<210> 1830

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1830

cagggtcgtg gcacaaatat ggccaattca aggagaaaca gggcagataa tcccacagag 60  
ccggtgacac gcccatccta ttcttgagta gacagagcca tttccatcac tctcaggcct 120  
ctgtgggtaa ttggagctga caagggtcca tgcatagcag atgagattag tcccagctgg 180  
acgtttccca gaaatgggtc tggggtttcc agtaacctct caratrarat cacttgtcta 240  
gagatcactc tgggaatatgt ctcatataag gcaaggagtc atggaaactg aatcatgttg 300  
agagaggatg ttgtaggaat agaagcttct ggacaaagaa tgaggaagac tctggagatc 360  
tagagagtgg ggatttgtga gtggtttcag gttttgtttt tgtttttctt ctcttggcac 420  
ccccaagcac taggcttatt tgctggacag aaatagatct taagtggaga ctgcaagttc 480

1142

```

ttccgacgtg atgcactgga ggagatgcat gcctggaaaa gctctgccac ttgctggctg 540
ggtggcctgg gaacctctgg gtctcaggct cctcatccat aaaatgggga taataactaa 600
ttctcattaa ataagaaaca caagattgat ttgtggtaag cttaataagt aacaactact 660
cgagaaaaata gcctttttaa gaactgacaa ccattgctaa gtgtctaccc taaaaaaga 720
aataccagag atataagaaa aggtatacgt gcaaaaaaaa gttcattgtk taatggaaaa 780
tattagaaat atattcaaca aagggaatgt tcagtacccc ctccccacca aa 832

```

&lt;210&gt; 1831

&lt;211&gt; 590

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1831

```

nttcggcaca ggcgaaatca gccatggctt tacttagttc ccaagtacac atcttcttat 60
ccacaaggat gaaactctgt agggctcacc ctgagggctc atgtgtggca ttgagagggg 120
agcagtgacc agaaccacc aaggcccaca agatgttttg aatgagggaa catttaatgt 180
catttgtag gagatagaaa ccaaataata aaggacaagg accacgctca ttccgtggag 240
aagaggtgaa ctccctctgc tgactatttg gaatggactg aatgaggagg tctctccagc 300
cagaaggagt attgaggtca tcaggcctca gaaaacaatg tacacataat ctcgggctgt 360
gaacaagaga aaggaggggg ggaaacatga aagtcaatct taacaatttt tgcaataacct 420
cttatttgca gaccattgga tttatgttat tgcactctcg gtgtgattta tcgtatgtat 480
ctgatagggt ttatgaattg ttttgagttg taaactccta taccctttat taaaatggac 540
ctaattaagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gtcgtatcga 590

```

&lt;210&gt; 1832

&lt;211&gt; 3266

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1832

```

ggaccagcta agggaggcaa gaagaagaag gatcctaattg ctcccaaaag gccaccgtct 60
ggattcttcc tgttctgttc agaattccgc cccaagatca aatccacaaa ccccggcac 120
tctattggag acgtggcaaa aaagctgggt gagatgtgga ataatttaaa tgacagtga 180
aagcagcctt acatcactaa ggcggcaaag ctgaaggaga agtatgagaa ggatgttgct 240
gactataagt cgaaaggaaa gtttgatggt gcaaaggggc ctgctaaaag tgcccggaaa 300
aaggtggaag aggaagatga agaagaggag gaggaagaag aggaggagga ggaggaggag 360
gatgaataaa gaaactgttt atctgtctcc ttgtgaatac ttagagtagg ggagcgccgt 420
aattgacaca tctcttattt gagaagtgtc tgttgccctc attaggttta attacaaaat 480
ttgatcacga tcatattgta gtctctcaaa gtgctctaga aattgtcagt ggttttacatg 540
aagtggccat ggggtgtctg agcaccctga aactgtatca aagttgtaca tatttccaaa 600
catttttaaa atgaaaagc actctcgtgt tctcctcact ctgtgcactt tgctgttggt 660
gtgacaaggc atttaagat gtttctggca ttttcttttt atttgtaagg tgggtggtaac 720
tatggttatt ggctagaaat cctgagtttt caactgtata tatctatagt ttgtaaaaag 780
aacaaaacaa ccgagacaaa ccttgatgc tccttgctcg gcgttgaggc tgtggggaag 840
atgccttttg ggagaggctg tagctcaggg cgtgcactgt gaggctggac ctgttgactc 900
tgcagggggc atccatttag cttcaggttg tcttgtttct gtatatagtg acatagcatt 960

```

1143

```

ctgctgccat cttagctgtg gacaaagggg ggtcagctgg catgagaata tttttttttt 1020
taagtgcggt agttttttaa ctgtttgttt ttaaacaac tatagaactc ttcattgtca 1080
gcaaagcaaa gagtcactgc atcaatgaaa gttcaagaac ctctgtact taaacacgat 1140
tcgcaacggt ctgttatttt ttttgtatgt ttagaatgct gaaatgtttt tgaagttaa 1200
taaacagtat tacattttta aaactcttct ctattataac agtcaatttc tgactcacag 1260
cagtgaacaa acccccactc cattgtatgt ggagactggc ctccctataa atgtggtagc 1320
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ctgaggctat ctaggtttta cttttgtccc acctccaccc cctattttgt ggggccaaat 1560
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cattcactgg aaatgtagat tgatgttcaa tgttaaactg gaaggagctt ggtttgtgtg 1980
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tactgtccgt agcaatgaag gatacagtac tgtgtgtgg gtgagtgttg ctattgcca 2160
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cattctaagc taaagcttta gcttcccaat tcgtgatgtg ctaggccaag attcgggagc 2580
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tgcttttttt tttttttccc ccatttaaaa ggatagtacc tactccctct aaccacctca 3060
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gtctgtgtct cctgtgtgtg tctgttcttg tcacaaatgt atttggggac gttggatgca 3180
ttcattttct gtaataaagt ttcttaatca ctcttcccaa aaarwaaaaa aaaaaaaaaa 3240
aaaaaaaaaa aaaaaaaaaa aaaaaa 3266

```

&lt;210&gt; 1833

&lt;211&gt; 858

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (848)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1833

## 1144

```

agattcattt ttccatttaa atttcagttt cttggatcac tgaatatggg aaggagagc 60
ttcactaatt agacgcagct tcttaagaac ttatattctc tttgacatac atctcaacaa 120
aaaaaaaaatc taactgaaga actaagttga ttttttattt gccataaacc aagcaaaagt 180
aaatgcaata atttcgagat ttatggtaaa caaatttgag gtatggataa atctttcaca 240
tattttttat tgctcttttag taaagaaagg cacaagaaag aaaatatcca gctctcttgt 300
gttatctcag tgtggcgact gcagaaaatt gacaatgcct gcctgtgtaa atgtatggct 360
tactgtcaaa gcttcattct tggctgcatg ttgaaaatgt gattaaagtt aatagaggag 420
atgaaawaag tatttgagat ttttttcaat aacactgaac ttctgccaac tttctctatc 480
cgctactgta ggcttgacag gctcatcaat catttgctgg tacctggact aaaaagcgca 540
cttgctgaca ccaaggcatg ttggaatttt cttaattcag tggatggaaa aagaaatact 600
tccaaaaata tcccacacat gaaaaggagg gggagcctta aatgaaaatt ccctttgtac 660
cgtagacact ttttggaatg cgattaattg ccaacacatc attgaacgaa tgctgtaacc 720
aagaaattaa gattgtgtgt gtgaaggga tatattctta actgtggcta cccaacttgt 780
atagcaaaga tttctgatag tttgtgttca tctcatgtga ataataaata ctttacccta 840
aaaaaanaa aaaaaaag                                     858

```

&lt;210&gt; 1834

&lt;211&gt; 297

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (149)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1834

```

ataaagacat gtgaccttct tgggtggtat actggcaatt tttaaaatat ctgatttatt 60
gtcagctcac cacatgatgt gatatttggt catgttgaa tagtgtgaaa gtaggcacat 120
tagtatgaaa gtattttctat taaagctgna attgctataa taacactaaa tcctgtgttg 180
gcatggaata actagatggg ttaagaaag tactttcttt ggaagattgg gagaaagtac 240
tttaatttaa acattaaaaa gattggtaac tgctattttc aacagcagtc cccttan 297

```

&lt;210&gt; 1835

&lt;211&gt; 1258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1237)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1835

```

acaagatggc caaaggtgct aaagagattg atatcgagc gaccctggag cacttgagtt 60
cgcgctgaca gccagtggtg gaggaggtga acgccatcct caaggccctt cccagtgag 120

```



## 1145

```

cggcagctca ggggcctcag gggagcccc accccacgga tgttgtcagc ccaagcagag 180
tgattcaggg gctccccggg ggcagacacc tgtgyacccc atgagtagtg cccacttgag 240
gctggcactc ccctgacctc acctttgcaa agttacagat gcacccaac attgagatgt 300
gtttttaatg ttaaaatatt gatttctacg ttatgaaaac agatgcccc gtgaatgctt 360
acctgtgaga taaccacaac caggaagaac aaatctgggc attgagcaag ctatgagggt 420
ccccgggagc acacgaaccc tgccaggccc ccgctggctc ctccaggcac gtcccgacc 480
tgtggggccc cagagagggg acatttcctt cctgggagag aaggagatca gggcaactcg 540
gagagggctg cgagcatttc cctccggga gagatcaggg cgacctgcac gcactgcgta 600
gagcctggaa ggggaagtga aaaccagccg accggcctg cccctcttcc cgggatcact 660
taatgaacca cgtgttttga catcatgtaa acctaagcac gtagagatga ttcggatttg 720
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gatttctgt gtggggttca gcgtagaaaa cgcacctcca tcccgccctt cccacagcat 900
tcctccatct tagatagatg gtactctcca aaggccctac cagagggaac acggcctact 960
gagcggacag aatgatgcca aaatattgct tatgtctcta catggtattg taatgaatat 1020
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taatcgaaat gaatttatct gaatatagga agcatatgcc tacttgtaat ttctaactcc 1140
ttatgtttga agagaaactc cgggtgtgaga tatacaata tatttaattg tgtcatatta 1200
aacttctgat ttcacaaaaa aaaaaaaaaa aaaaaanccc gggggggccc ggaccatt 1258

```

&lt;210&gt; 1836

&lt;211&gt; 761

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1836

```

cagaatttac ccctgacgcg gcggcgcccg acgggaagct gtgtgtgctt aggtcgtggt 60
ggccccggtg gtggtgggct ccgggcgggc tcgcgtcacc ctgccccgcg tgcgatgcat 120
ccgcggcgcc cggacggatt tgatggcttg ggctaccggg gtggtgcccg ggacgagcag 180
ggccttgggc gcgccttccc tgcaaggctc ttcagcaccg ggtcggacct gggccactgg 240
gtgacgactc cccagatat ccccggcagc cgcaacctgc actggggcga gaagagcccg 300
ccctacggcg tgcccaccac ctccaccccg tacgaaggcc ccacggagga acccttttcc 360
agtggcgccg gcggcagtggt gcargggcag agcagtgaac agctgaatag atttgctgga 420
tttggtattg gacttgcaag tctctttaca gaaaatgtat tggcacatcc ttgcattggt 480
ctacgccgcc aatgtcaggt taattaccat gctcagcatt accatctcac tccatttaca 540
gtcatcaata ttatgtacag tttcaacaaa actcagggac ctagagccct gtggaaagga 600
atgggaagta cttttattgt ccagggagtc acacttgag cagaaggcat aattagtga 660
tttacacctt tgccaaggga ggttttacat aaatggagtc ctaaacaat aggagaacac 720
cttctactga aatccctaaa cttacgtggt ggcaatgcct t 761

```

&lt;210&gt; 1837

&lt;211&gt; 925

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1146

<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<400> 1837  
aagacattgg accagagtgg agacgcgccc ttgtccccgg gagggggcgg ggcagcctcg 60  
ggctgcggct cgaggccacg ccccggtgcc cagggcgggg ttcggggacc ggnntgccgg 120  
cctcccttcc cctatggact cctcgacccc cctcctaccc ctccctctcg gcgctcgcg 180  
acctcgctgg agccggtgcc ttacacagcg aacgcgggga ggggcagggc cccctgacac 240  
tgcagcactg agacacgagc cccctcccc agcccgtcac ccggggccgg ggcgaggggc 300  
ccatttcttg tatctggctg gactagatcc tattctgtcc cgcggcgggc tncaaagcct 360  
cccacccac cccacgcaca ttctgggtcc ggtcgggtct ggcttggggc ccccttttct 420  
ctgtttccct cgtttgtctc tateccgccc tcttgtcgtc tctctgtagt gcctgtcttt 480  
ccctatttgc ctctcctttc tctctgtcct gtcgtctctt gtccctcggc cctccctggt 540  
tttgtctagt ctccctgtct ctcctgattt cttctcttta ctcatctctc cgggcaggtc 600  
ccactggaag gaccagactc tcccaaataa atccccacac gaacaaaatc caaaaccaa 660  
tccccctcyc taccggagcc gggaccctcc gccgcagcag aattaaactt ttttctgtgt 720  
ctgaggccct gctgacctgt gtgtgtgtgt gtgtgtgtgt gttgggggag ggtgacctag 780  
attgcagcat aaggactcta agtgagactg aaggaagatg ggaagatgac taactggggc 840  
cggaggagac tggcagacag gcttttatcc tctgagagac ttagaggtgg ggaataatca 900  
caaaaataaa atgatcataa tagct 925

<210> 1838  
<211> 542  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (421)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (473)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (509)  
<223> n equals a,t,g, or c

<400> 1838  
ggcagcagggt tgaataaac acattaggaa gtccagctgc ctacagagctt ttagagcatc 60  
tcaaacctac ttattggttt tctgcccacc ttcatgtgaa gtttgccgcc ttgatgcagc 120  
atcaggcaaa ggataaagga cagacagcca gagcaaccaa atttttagcc ttggacaaat 180

1147

```

gcttaccaca tagagatttt cttcagatat tagagataga acatgacccc agtgctcctg 240
attacttgga atatgatatt gaatgggtca ctattctcag ggctacggat gatcttatta 300
atgtgactgg gcgcctgtgg aatatgccag aaaataatgg cctgcatgca aggtgggatt 360
atagtgaac agaagaagg atgaaagaag tattggaaaa attgaatcat gatctcaagg 420
ntccatgtaa ctttagtgta acagctgctt gttatgatcc tagcaagcca canacacaaa 480
tgcagctgat tcataggatc aatcctcana caactgaatt ttgtgcccaa cttggcatca 540
ta 542

```

&lt;210&gt; 1839

&lt;211&gt; 442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1839

```

tgcctataaa attacactgc ctccaattat gaaattcagg gatcttgtac ataattctaa 60
gtttgggaca gaaatttaca agcgatttct catatataca tacatttata tatgtacatg 120
ttacatatat ttagatgtat tctcatatac atatgaaaat atttatgatg aatagaatta 180
taagatatgt atgtatcttg cactgaatca taatttgaaa tatttcatga attcatttac 240
ttctattgac tcccaaaatt ctaackgcaa gctagcttca gaacctgtga gaacccacc 300
ccaccaagc agctgcctag atttgtctac tgctatcatt ttgtgtaaag cagttgttct 360
aacttgaatg agtctagaat tcatcattaa gattgtgata tttatagagc atccaatgtg 420
gagatcatga tactttaaat at 442

```

&lt;210&gt; 1840

&lt;211&gt; 515

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1840

```

ttaccctcac taaaggggnc aaaagctggn gctccaccgc ggtgacgacc gctctagaac 60
tagtgatgcc cccgggctgc aggaattcgg cagcagccca gctcaccgc tgtcagctgg 120
ggtcctgctc tgggtgggagg aagaggctca gacgcttccc tgccctctcg cctcaaccam 180
ctcgargcag cggctccag gatgtgcamb ttgacgacta aagctgagcc ggcgcgcac 240
gaccttgggc ggggtggctgg cctctgccct gagcaggaag tagaaagtct cagcagaccc 300
ttcctgaggg ccgagcaaca gtgtagtggc gtattccaca tagcaaacag ttttctgaag 360
ctcagagga caccttgtat tgctggatga taaaaacagg agcaaagtga tgaagtgtg 420

```

1148

acaaggcaac aatagaacat gagagattca ctgctgtgta ggaagagatc ttcggtgacc 480  
atgtagcctg aagctctcat tttgtcaatc gagggg 515

&lt;210&gt; 1841

&lt;211&gt; 1027

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1022)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1841

ccacgcgtcc gagccttcgc cggcgtcccg acccgaggcc ggacccgagg ccagtcccg 60  
cgctgcgcag ccgaagccag tgcggggcct gagaggagc cgcgccccg ggcccccgcc 120  
gcgggcacca tgggcgctgc ccactccgcg tctgaggagg tgcgggagct cgagggcaag 180  
accggcttct catcggatca gatcgagcag ctccatcgga gatttaagca gctgagtgg 240  
gatcagccta ccattcgcaa ggagaacttc aacaatgtcc cggacctgga gctcaacccc 300  
atccgatcca aaattgttcg tgccttcttc gacaacagga acctgcgcaa gggacccagt 360  
ggcctggctg atgagatcaa tttcgaggac ttctgacca tcatgtccta cttccggccc 420  
atcgacacca ccatggacga ggaacagggtg gagctgtccc ggaaggagaa gctgagattt 480  
ctgttccaca tgtacgactc ggacagcgac ggccgcatca ctctggaaga atatcgaaat 540  
gtggtcgagg agctgctgtc gggaaaccct cacatcgaga aggagtccgc tcgctccatc 600  
gccgacgggg ccatgatgga ggcggccagc gtgtgcatgg ggcagatgga gcctgatcag 660  
gtgtacgagg ggatcacctt cgaggacttc ctgaagatct ggcaggggat cgacattgag 720  
accaagatgc acgtccgctt ccttaacatg gaaaccatgg cctctgccca ctgaccacc 780  
gccacctccg cggagaaact gcactttgca atggggccgc ctccccgcgt agctggagca 840  
gcccaggccc ggcggacagc ctcttctctg agcgccggtg catagccaag gctcgtctgc 900  
gcaccttgtg tcttgtaggg tatggtatgt gggacttcgc tgtttttatc tccaataaaa 960  
aaaaaaaaa ggtttgttaa waaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020  
angggggg 1027

&lt;210&gt; 1842

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (339)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1842

atcttgtggr akgttttaca gacaagttag ccaagacaca gataagttag gttacggggc 60  
aaagtaatac agtgattgag cagtggagct gaaggagatc caggcagctt gactggcaga 120  
gcctttttct tcaccacgac atgggcagag gttagagagt tttgccacac tggcggtcga 180  
gtgacacatc aaggagggat gtggttgagc caggctaag gccataggaa gggaggagct 240  
ggagactcca ggtcgcagc caccttggtg ggctggggtg ggcaggagg ccgcagcaac 300  
agagacgggg tgggattgaa gaagtctttt ttttttcnt tttttaaaca aaagaaatag 360  
aacttgtcta tatgtgggg tktgggaaag gagcaagtag atggagagag gctgaagata 420

1149

cttgcttctg gggaggagct ggag

444

&lt;210&gt; 1843

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (516)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1843

```

gcctatttga atggaatcct gctcttttga catatgctga agatatttct tgaaaatggc 60
gaaaatactt accacccccca aatttgctca tgctttcagg aatctcactt ttgaagggtg 120
tgacgggtcca gtgaccttgg atgactgggg ggatgttgac agtaccatgg tgcttctgta 180
tacctctgtg gacaccaaga aatacaaggt tcttttgacc tatgataccc acgtaaataa 240
gacctatcct gtggatatga gccccacatt cacttggaag aactctaaac ttcctaataa 300
tattacaggc cggggccctc agatcctgat gattgcagtc ttcaccctca ctggagctgt 360
ggtgctgtcc tgctgctgct ctctctgatgc tcagaaaata tagaaaagat tatgaacttc 420
gtcagaaaaa atgggtccac attctctctg aaaatatctt tcctctggag accaatgaga 480
ccaatcatgt ttagcctcca gatcgatgat gacaanagac ganattccat ccagaagact 540
acaacagtgc                                     550

```

&lt;210&gt; 1844

&lt;211&gt; 326

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1844

```

caattgcagg tgtccatgcc tcccacacat ggggacctag tgggttttga cagcgtggtg 60
tccagtccta gccccctcag tgcttgctgt tcacacttaa gcaagtraag gcctgaagggt 120
gccagctgt gccctcaggg gaaacttaag tcacccgccc tgtcagcact tggcccttgt 180
cgggcagtga gagtggagct gccccgcag accctcagga gccatgcagt tcacagcagt 240
agctggatyt ccctgaggac atttgctctt gcatatctta atgatttgct cacagaaaca 300
ccgggttgct ttcctctgcc cctcct                                     326

```

&lt;210&gt; 1845

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (453)

&lt;223&gt; n equals a,t,g, or c

1150

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (532)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (561)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (570)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1845

```

cgaaattaga aaaggtgatg aatttggagg aaggggaatt ggctgcacct gtttctgata 60
tgttcagaag cttaatgaat ataatttct aatttaaata aactgtttga ttgagaaaag 120
aggtagccac attattgttt agaaatgata gactgttatt gacttttggg gtagctggga 180
agctggagaa gaggtagtat gtagtttgct tttgatttca aaatgccacc tcttctgatt 240
ccagatacaa ttatcttttg gcacatttcc taattagcat taggttctta taaatgaaat 300
tttattttac acacagtttt taatggaact tacttttgaa catcacgaaa gttatctcta 360
gcccttttca tgccttargt gctgatrage attccgttta tcataagcta tgtcattagt 420
ctcagcttcc tagtgggaag taaaactcat agncaattct ctcagtcatc catggatata 480
tagctagggtg gggggccagat gatttgaaaa ttaacatatt gttatttagg gngccttggt 540
tttcatttta aggtggtttc nggcacccctn gtttgaa 577

```

&lt;210&gt; 1846

&lt;211&gt; 732

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (190)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1846

```

cagcgatttc tgaactgaac gcaggcaagg gacgcgagag acaaatttta caggaaacca 60
ttcacaaactt tcaactcttc tttgagagca gtgccagcaa caccagggcc cctggcaaca 120
gccctgtgtc gtgatactcc ttcccgagc caccarccca tgggtgggtg ggtgaggcca 180
gaagaaactn cctncggcaa gaggtagcag ccgctcaggt ggytctscgt gcatcggagc 240
ccacagaagt raggagtggc cgatggacct gccctccaaa tgtgcctgac tctgggtctt 300
gctgtcactg gatttctctg catggcagac agaaagaaag atagtttgac caagtcgtag 360
aagctgatcc agcgggtaaa aagggggcag ggaactcgtc ccttttattc ttgcctcaga 420

```

## 1151

gctgcctgaa gacatggggc aggccggagg ctggacaact ttggataacg ctgacctgta 480  
cttccaagta aatgcctcct gaagagcccg ggacccttcc tgggagaatt ctgcagccag 540  
aatgaagggt ccatcagcag gaggcactgt gaagcaccat cctgtcgctg tcttgtcca 600  
ttcctagcaa gttaatcgtg tcttggttaac cagcagttcc tgttcaacgt gtaaagagac 660  
ctgatgtttt ccctaataaa gctgataaca gattttgcag gaaaaaaaaa aaaaaaaaaa 720  
aaaaaaaaag tc 732

<210> 1847

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<400> 1847

gcgggctctg agtgcctctk cccgtccggc cccagccgcg gcccggaat ctacgtcacc 60  
cgaaaagcga ctataaacgc cggcgcctcc gtccccagcc gcggctcggg aatccaccg 120  
aagagtggct ataaacgtcc gcgcctccat tgcgtctcc tcttcaactta ggacactggg 180  
cctcccacgc ctgacaccga cgtcgccagg accgcggggg tgggggaact tggctgtccc 240  
acgtctttca aataaagctg ttttgtctaa ctcaaaaaaa aaaaaaaaaa aancgagttt 300  
tttttttttt ttttna 316

<210> 1848

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

1152

&lt;221&gt; misc feature

&lt;222&gt; (572)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1848

```
cgagcagtag cgngaagnca gacgnacgta tagggaaagc tggtagcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cgggagaagt gctcttttct acttggtggg 120
tctccattg gaaacataat cctatagtc cagaaggatt cagtccccag tggctttccc 180
atccaaagag aaagagtttg agtttcttaa ctctgctgtt ctgccactta ctcccactag 240
acaaccaggg acaaggtgca acatggaagt gtttgactta agtaggagca gaggagctgc 300
atctaacttc atcatacctg gaacttgaca cacttaagca aatgccttc catccctacc 360
tgccagatgc cccaactca atgaagttgg atgtctcacc agcttgatac cctttgaatt 420
ttcagtcaga cattctggag ttctagcatc ctgtacctag gaccttcctc tgtgtcactc 480
ttggcctcct aaactctaag aaaataacta tattctggag cttgggcagt gtgttttgca 540
taatccagca atctcctcat gacatgcatg tnttgatagt cctgaaacat tcattgagag 600
ggtaaagtca gttgacctag aatgaccaat accaaacaga attttaagaa caggtggcca 660
actcctatgg agcttactca catattacta ttcttttaag aacggaaaag taaaatt 717
```

&lt;210&gt; 1849

&lt;211&gt; 363

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (348)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1849

```
gggacgagga agccaaggac gaaaaggcag agccaacag ggacaaatca gttgggcctc 60
tccccaggc ggaccggag gtttcagaca ttgaatccag gattgcagcc ctgagggccg 120
cagggctcac ggtgaagccc tcgggaaagc cccggaggaa gtcaaacctc ccggctcttt 180
atgaggggac tctgagcctc tgctctgagg atctgaaaca cacacacctt gacagtgtaa 240
aatccaaaag gagccgcctg aatcatgttg cctcatgtgg aaatcttagt ccgccgccac 300
gtgaagatgg atgtgactag aacggagggc gccggaagct yacatyanar garctgctca 360
cgt 363
```

&lt;210&gt; 1850

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (507)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1850

```
gtaaaaatga gacgaccacc tctcggatta aaaaaaaaaa gtgccagagt tctaggggtc 60
taagtgatgt ccaggaagga ggaggaataa tatttatgga gcatatatta tgggaacacag 120
tgagtatagt acctgccttt aaatgaatac tgttggtttt ttaggacagt tgcttttttt 180
```



1153

```
tcttttttct tcagctgtgt gcagttgatt aacttgtaca gaggctatca cacaatagat 240
gtttaagaaa tattaagtga atgaatgagg cagcattgct aatttttgta tagtgagaca 300
gtatctcaca gtccaggctg gagttcagtg gcattaacat aactcactgc agccttgaac 360
acctgagctc aaacgaccc ttcaccttat cctccagagt agctgggact acagtcgcgt 420
gtcaacatgc ctggctaatt ttaggtttct aattttttta gagttgggat ctactatgt 480
tgcttagact ggtcttgaac tcctggntct atgccatcct cttgcctcag ctggta 536
```

&lt;210&gt; 1851

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (466)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (514)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1851

```
gcttgacctg cggcagtga gcccttggga cttccctcgc cttccacctc ctgctcgtct 60
gcttcacaag ctatcgtat ggtgttcgtg cgcaggcgt ggcccgcctt gaccacagtg 120
cttctggccc tgctcgtctg cctaggggag ctggtcgacg cctaccccat caaacccgag 180
gtccccggcg aagacgcctc gccggaggag ctgaaccgct actacgcctc cctgcgccac 240
tacctcaacc tggtcacccg gcagcgggat gggaaaagag acggcccggg cagccttctt 300
tccaaaacgt tcttccccga cggcgaggac cgccccgtca gtcgcggtaa aagcgcccgt 360
taccacacat cctgcacccg agagcgcggc ctggccctac cctggcaaca tcatttaacg 420
acgtctccca ggctcgcctc cccagatcca attcttncct tcgttncgca gtcggagggc 480
caaactgtgg tgaggacct gaggtctctg gagnctgcca acagccagtc atttga 536
```

&lt;210&gt; 1852

&lt;211&gt; 2005

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (903)

1154

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1852

```

ctatcagacg atgaattgaa acacctcatt ctcagggcag cagatggatt tttgtttgtn 60
gtaggatgtg accgagggaa gatactcttt gtctcagagt ctgtcttcaa gacctcaac 120
tacagccaga atgatctgat tggtcagagt ttgtttgact acctgcatcc taaagatatt 180
gccaaagtca aggagcagct ctctctctct gacaccgcac cccgggagcg gctcatagat 240
gcaaaaagat gaagtgtaac aggccttcag taaargttga agacaaggac tcccccyctw 300
cctgctcaaa gaaaaaagat cgaaaaagct tctgcmcawt ccacagcaca ggctatattga 360
aaagctggcc mccccaaaag tggggctgga tgaagacmac gaaccagaca atgaggggtg 420
taacctcagc tgcctcgctg caattggacg actgcattct catgtagttc cacaaccagt 480
gaacggggaa atcaggggtga aatctatgga atatgtttct cggcacgcga tagatggaaa 540
gtttgttttt gtagaccaga gggcaacagc tattttggca tatttaccac aagaacttct 600
aggcacatcg tgttatgaat attttcacca agatgacata ggacatcttg cagaatgtca 660
taggcaagtt ttacagacga gagaaaaaat tacaactaat tgctataaat ttaaaatcaa 720
agatggttct tttatcacac tacggagtcg atggttcagt ttcatgaacc cttggacca 780
ggaagtagaa tatattgtct caactaacac tgttggtttg tccagagtgg acaccggaca 840
ccttggccaa gttgaaaggt gcacagttct gaggcaggcc tgacttcacg tttccttatt 900
gcntgggatg ttcacagagc caacgtcctg gaaggcgggg acccaacctt cccacagctc 960
acagcatccc cccacagcat ggacagcatg ctgccctctg gagaagggtg cccaaagagg 1020
accacccca ctgttccagg gattccaggg ggaacccggg ctggggcagg aaaaataggc 1080
cgaatgattg ctgaggaaat catggaaatc cacaggataa gagggtcac gccttctagc 1140
tgtggctcca gccattgaa catcacagat acgcctcccc ctgatgcctc ttctccagga 1200
ggcaagaaga ttttaaatgg agggactcca gacattcctt ccagtggcct actatcaggc 1260
caggctcagg agaaccagg ttatccatat tctgatagtt cttctattct tggtgagaac 1320
ccccacatag gtatagacat gattgacaac gaccaaggat caagtagtcc cagtaatgat 1380
gaggcagcaa tggtgtcat catgagcctc ttggaagcag atgctggact ggggtggcct 1440
gttgacttta gtgacttgcc atggccgctg taaacactac atgttgcttt ggcaacagct 1500
atagtatcaa agtgattac tgggtggagt ttacagtctg tgaagcttac tggataagga 1560
gagaatagct tttatgtact gacttcataa aagccatctc agagccattg atacaagtca 1620
atcttactat atgtaacttc agacaaagtg gaactaagcc tgctccagtg tttcctcatc 1680
attgattatt gggctagctg tggatagctt gcattaattg tatatttttg attctgtttg 1740
tgttgaaatt tttaatcatt gtgcacagaa gcatcattgg tagcttttat atgcaaatgg 1800
tcatttcaga tgtatgggtg ttttacacta caaagaagtc ccccatgtgg atatttctta 1860
tactaattgt atcataaagc cgtttattct tccttgtaag aatcctttac tataaatatg 1920
ggttaaagta taatgtacta gacagttaaa tatttttaaa aaatgtttcc cttgttctat 1980
aaaaaaaaa aaaaaaaaaa aaaaa 2005

```

&lt;210&gt; 1853

&lt;211&gt; 566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1853

```

gtggacgcgt gggcggacgc gtgggacagg atgggagctt tgatgggtgga ggcggaaaga 60
aagatcccag gcaggagaga caattgaagc aaaggccttg agttgagaat tggccgtgcc 120
ctcatccttt cctgtttcct ttttgttttg gcaatgaaaa gagcatggac tttggggttg 180
gatgtgcctg cattcaggtc ttgacactgc tgtattaccg ctcccaattt cttcatgaaa 240
caagattaac agtatcactt gtatcagtta gggtttggtg gttatgagca acctaaaccc 300
actctggcta acttaaacad aaaaggaatc tattgggatc tattgacctg ccaagcctca 360
gaaaggacag gaatcaggga agcttcagag acctaaaggg cagcagctga tagtatcttc 420

```

## 1155

```

agagtgtctgc tgtcagaata aacctacaag ggckgttttc tctccttgtc ccaaccagat 480
caagggttcag attcctgaga aagaacctcc gtggttagga agaacacaag cacattgatt 540
gacagcacta ggggaggtgt tgttcc 566

```

&lt;210&gt; 1854

&lt;211&gt; 250

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (246)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1854

```

gantaccgtt tctcgagtcc gggcattgta caagcgcgtc ttgcagctgc accgtgttct 60
gcccccgac ctcaaatccc tgggcgacca gtacgtgaaa gacgaattta ggagacataa 120
gaccgttggc tctgacgagg cacagcggtt cttgcaagaa tgggaggggt ttaagtgcct 180
aaagtcaggg agagaaaagg agacagtatt taaggaattt aagatcttga agtggaaaag 240
gcctanaaga 250

```

&lt;210&gt; 1855

&lt;211&gt; 1159

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1143)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1855

```

ggctaaataa gctatcgggc ccatacccg aaaatgttgg ttataccctt cccgtactaa 60
ttaatcccct ggcccaacct gtcacttact ctaccatctt tgcaggcaca ctcatcacag 120
cgctaagctc gactgattt ttacctgag taggcctaga aataaacatg ctagctttta 180
ttccagttct aaccaaaaaa ataaaccctc gttccacaga agctgccatc aagtatttcc 240
tcacgcaagc aaccgcatcc ataatccttc taatagctat cctcttcaac aatatactct 300
ccggacaatg aaccataacc aatactacca atcaatactc atcattaata atcataatgg 360
ctatagcaat aaaactagga atagccccct ttcacttctg agtcccagag gttacccaag 420
gcacccctct gacatccggc ctgcttcttc tcacatgaca aaaactagcc cccatctcaa 480
tcatatacca aatctctccc tcaactaaag taagccttct cctcaactct tcaatcttat 540
ccatcatagc aggagttga ggtggattaa accaaaccca gctacgcaaa atcttagcat 600
actcctcaat taccacataa ggatgaataa tagcagttct accgtacaac cctaacataa 660
ccattcttaa ttaactatt tatattatcc taactactac cgcatctcta ctactcaact 720
taaactccag caccacgacc ctactactat ctgcacctg aaacaagcta acatgactaa 780
cacccttaat tccatccacc ctctctccc taggaggcct gccccgcta accggctttt 840

```

## 1156

```

tgcccaaagt ggccattatc gaagaattca caaaaaacaa tagcctcatc atccccacca 900
tcatagccac catcaccctc cttaacctct acttctacct acgcctaate tactccacct 960
caatcacact actccccata tctaacaacg taaaaataaa atgacagttt gaacatacaa 1020
aaccaccccc attcctcccc acactcatcg cccttaccac gctactccta cctatctccc 1080
ctttttatact aataatctta taaaaaaaaa aaaaaaaaaa tcsagggggg gcccggtacc 1140
canttcgccc tatagttag 1159

```

&lt;210&gt; 1856

&lt;211&gt; 936

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1856

```

ggcacaagac caaaactcca aatgcatcgg cactgacctc aacaggaatt ttaatgcttc 60
atggaactcc attcctaaca ccaatgaccc atgtgcagat aactatcggg gctctgcacc 120
agagtccgag aragagacga aakctgtcac taatttcatt agaagccacc tgaatgaaat 180
caagggtttac atcaccttcc attcctactc ccagatgcta ttgtttccct atggatatac 240
atcaaaactg ccaccttaacc atgaggactt ggccaaagtt gcaaagattg gcactgatgt 300
tctatcaact cgatatgaaa cccgctacat ctatggccca atagaatcaa caatttacc 360
gatatcaggt tcttcttttag actgggctta tgacctgggc atcaaacaca catttgcttc 420
tgagctccga gataaaggca aatttggttt tctccttcca gaatcccga taaagccaac 480
gtgcagagag accatgctag ctgtcaaatt tattgccaag tatatcctca agcatacttc 540
ctaaagaact gccctctgtt tgggaataagc caattaatcc ttttttgtgc ctttcatcag 600
aaagtcaatc ttcagttatc cccaaatgca gttctatctt cacctgaatc cttctcttgc 660
tcattttaagt cccatgttac tgctgtttgc ttttacttac tttcagtagc accataacga 720
agtagcttta agtgaaacct ttttaactacc tttctttgct ccaagtgaag tttggacca 780
gcagaaagca ttattttgaa aggtgatata cagtggggca cagaaaacaa atgaaaaccy 840
tcagttttctc acagattttc accatgtggc ttcatcaatt tatgtgctaa tacaataaaa 900
taaaatgcac ttaatgcttt aaaaaaaaaa aaaaaa 936

```

&lt;210&gt; 1857

&lt;211&gt; 534

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1857

```

gcagtgctag atattgttwt aaattattty cattttaaac aagatgcctt ctaagctatt 60
gagcttatta aaaataattt tacatgttta cttagttgga gcaaaaataa gtctatttta 120
acaaatagct ttgtttttgc atgctaattg cagaaaggca tacgatgcac attatgctgt 180
tttaaagggt ttaccaccct tgtaaaaact ataactttaa atgggttttat ttgctgttac 240
acaaacaaca ctacataaaa cattttttcc taaatggtag aaatttataa actatcattt 300
ttcacttacg gtattttaga atactacact acaaaaatca gctttctgag aaagaaataa 360
tcattttatt atgatattga aaatttctac agtaaacact caaaaccaag caaaaaacat 420
ttgtaagata cacggtatct atttgagaca acggtttttg taactaatgt gtttcatttt 480
ttaaataaag acaactaaaa ataaaaaaaa aaaaaaaaaa aaaaaaaa aaaa 534

```

&lt;210&gt; 1858

&lt;211&gt; 1730

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1157

&lt;400&gt; 1858

```
gtttctacctc ggtagcagca cgccttctga tttccttgca gtggagatgc ggcgagggag 60
agtggccttc ctgtgggacc tgggctccgg gtccacaagc ttggagtttc cagactttcc 120
cattgatgac aacagatggc acagtatcca tgtagccaga tttggaaaca ttggttcaact 180
gagtgtaaag gaaatgagct caaatcaaaa gtcaccaaca aaaacaagta aatcccctgg 240
gacagctaata gttctggatg taaacaattc aacactcatg tttgttggag gtcttggagg 300
acaaatcaag aaatctcctg ctgtgaaggc tactcatttt aaaggctgct tgggggaggc 360
cttcctgaat ggaaaatcca taggcctatg gaactatatt gaaaggaag gcaagtgcgc 420
tgggtgcttc ggaagctccc agaatgaaga cccttccttc cattttgacg ggagtgggta 480
ctctgtcgtg gagaagtcac ttccggctac cgtgaccag ataactatgc tttttaatac 540
cttttcacct aatggacttc tttctctacc tgggttcata cggcacaaaa gactttttat 600
ccatcgagct gtttcgtggc agagtgaagg ttatgactga cctgggttca ggaccatta 660
cccttttgac agacagacgt tataacaatg gaacctggtc caaaattgcc ttccagcgaa 720
accggaagca aggagtgtc gacgttatcg atgcctataa caccagtaat aaagaaacca 780
agcagggcga gactccggga gcatcttctg acctcaaccg cctagacaag gacccgattt 840
atgtgggtgg attaccaagg tcaagagttg taaggagagg tgtcaccacc aaaagctttg 900
tgggctgcat caagaacctg gaaatatcca gatcaacctt tgacttactc agaaattcct 960
atggagttag aaaaggctgt ttactggagc ccatccggag tgtagcttc ctgaaaggcg 1020
gctacattga attgccacc aaatctttgt caccagaatc agaatggctg gtaacatttg 1080
ccaccacgaa cagcagtggc atcatcctgg ctgccctcgg cgggggatgt ggagaagcgg 1140
ggtgatcgtg aggaagcaca cgtgccctts tttccgtca tgctgatcgg aggcaacatt 1200
gaggtacatg tcaatcctgr ggrtgggaca ggcytgagaa wagctctcct gcacgctccc 1260
acgggtacct gcagtgatgg acaagcgcac tccatctcct tggtcaggaa tcggaggtag 1320
ttgcacgcgg ccaggcagtg tgtaatgaag gtgtggtgag ctgagaggga atgtgggagg 1380
aaccttgccg tggtgccctg grcggctaga tgactggggc catcgccatc cagacgattc 1440
tagaaccttg ctaggattct ttcttgggaa ccagtttcat ctgctttgta ataagatact 1500
tgtagaattt ttataattaa acaactttag ctctgccctt tactggggcc cagcataaat 1560
tgtctttaca ttggattgat tctgtggcaa atagtagtac actattagta aatagtatta 1620
tatcaatagt aaatagcatt atatcaacat tcctgtatat ttccctccaa aatatagact 1680
gaatgcttta aaagcacact gggcattttc atcataggta aagagggttaa 1730
```

&lt;210&gt; 1859

&lt;211&gt; 890

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (495)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (514)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (883)

&lt;223&gt; n equals a,t,g, or c

1158

&lt;400&gt; 1859

```
ctcagagtag ctggatTTTT ctaaagcaat tgcagaacac ctgcttttTc tttgtttcct 60
ctagaaagga ccaaccacrc cgagctcagt tatggcacac acagtgggac ctagacaaag 120
ggagagggtg accgacatcc caactaggta aacacagagg aggttccaca tggacttate 180
tggttggtctg ttttgaaaac gagaaacagt caagagtcctc tggccccaca gaccacacctc 240
cccaactcag cactgtctgt ctgtgcagca ggtgcaagga cgtgttgaac tagctctctg 300
cagcctcctt ggaggatgtg atcctatggg aggggtagga gtattcagtc cttgacatyT 360
cccaaagtgt tgattccggg atgccaaagg cctttggcca ggtaatgcag tgytacagg 420
ytgaggttga catgcattcc caccctctga gaaaaagatc ctcagacaat ccatgtgctt 480
ctcttgcctc tcatnccacc ggagtctgtc tcanacccaa cyagatttca gtggagtga 540
gttcaggagg catggagctg acaaccatga ggctcggca gccaccgcca ccaccgccgc 600
cgccaccacc gtagcagcag cagcagcagc agcagcagca agagtaactc tgacttagga 660
atagagacag ccagagagaa atgtgatcaa tgaaggagac atctggagtg tgcgtgcttc 720
ttcagaggga cgggtgatgg gcagattgga aaaagcaccg cagatgggaa ccttaatctt 780
tcttttctaa aattgatgct atgaaaattt gcgttttctg taacttgtaa aaactaaaag 840
ttgcttgtct actgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 890
```

&lt;210&gt; 1860

&lt;211&gt; 558

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1860

```
aaattaaccc tcaactaaagg gnncaaaagc tgggagctcc accgcggtga cgnccgctct 60
agaactagtg gntcccccg gctgcaggaa ttcggcacga gaacaactga aggtgaagaa 120
atcactgagt caagtagcac tgaagaaatg gaggtcagaa gtgtggtggc tgatactgac 180
caaaaggctt taggaagtga agttcaggat gcttctaaag tcaactactca gatagataaa 240
gagaaaaaag aaattccagt gtcaattaaa aaagagcctg aagttactgt agtttcacag 300
cccactgaac ctcagcctgt tytaataccc agtattaata tcaactctga cagtggagaa 360
aataaagaag aaatagggttc tttatcaaaa actgaaacta ttctgccacc agaactctgag 420
aatccaaagg aaaatgataa tgattcaggc actggttcca ctgctgatac tagcagtatt 480
```

## 1159

gacttgaatt tatccatctc tagctttcta agtaaaacta aagacagtgg atcgatatct 540  
ttacaagaaa caaaaaaa 558

<210> 1861

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (788)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (807)

<223> n equals a,t,g, or c

<400> 1861

acnaacnctt actaaagggg acaaaagntg gaagctccac cgcggtgtng accgctctag 60  
aactagtggg tcccccgggc tgcaggaatt cggcacgagc agggtcaggg ccagagccag 120

## 1160

```

aatccgaatc agaatcagag tcagaaccca aatccgaatg ccaatcagaa cctgactcag 180
aatctgatgc agaatctgac tcagagtttg agccagaagg agaaccggga aagcccgaag 240
cagaactcag gcaaggagca gaatgataac accagcaatg gcaccaacga ctacataggc 300
agtgtagaga aatggcggtta aatggctcaa aaaggcctgt acatacttct cccaaagcgc 360
cactgaaaag atggcatagc ttaaaagatg aaagtgtcca aacacatcct gcttccttca 420
ttggggaagt tttaaaaaaa gtttagatgt tgccctttaca gttgcctttc aattcagtgt 480
tatactgtgt gtaggtaaaaa caaatctcaa tatggaatta aattgtcttt ttgggggttg 540
actaaatatg aaatccgaaa gccaaaccag actcaccaga aattgctgtt tagatatatt 600
aagaagttct taaattagtt atggagacaa agtgaaaaca taaaatgtga ccatttaact 660
tatggctaag aaatggactt tnaaatnat tccatggata cactgttaaa acccaatctt 720
ggaatcaaat attttttccc agggggtgga ggaataagta ttaaacatta agggcaactt 780
aaaatggnaa cataaaacct tttattntcc ttctggattt taaacaaggg atctatttta 840
aat 843

```

&lt;210&gt; 1862

&lt;211&gt; 264

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (121)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (240)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1862

```

gggtgaaggc catttgggca agccagggcg gctgcggagg cgatctccct gaccaggggc 60
cggagttgcc cggagcctgc caccgctctc agccagcccc cacccttctc tgttcttccc 120
ntccccctgc tgccacggcg cgggtatccg cagccacagc ccggcgccgg tgaggcggcr 180
aagggggagg ggaggaatca agggatgagc gccggaaggc cgtmgggggc cctgagccgn 240
actaggacgg cccttggggc cgga 264

```

&lt;210&gt; 1863

&lt;211&gt; 1882

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1863

```

ngcggcagat cttccagtc ctcgcgcctc tcatggacat cctcctgctg ctgctgttct 60
tcatgatcat ctttgccatc ctgggtttct acttggtctc ccctaaccct tcagaccctt 120
acttcagcac cctggagaac agcatcgta gtctgtttgt ccttctgacc acagccaatt 180
tcccagatgt gatgatgcc tcctactccc ggaacccctg gtcctgcgtc ttcttcatcg 240

```



1161

```

tgtacctctc catcgagctg tatttcatca tgaacctgct tctggctgtg gtgttcgaca 300
ccttcaatga cattgagaaa cgcaagttca agtctttgct actgcacaag cgaaccgcta 360
tccagcatgc ctaccgectg ctcatcagcc agaggaggcc tgccggcatc tcctacaggc 420
agtttgaagg cctcatgcgc ttctacaagc cccggatgag tgccagggag cgctatctta 480
ccttcaaggc cctgaatcag aacaacacac ccctgctcag cctaaaggac ttttacgata 540
tctacgaagt tgctgctttg aagtggaagg ccaagaaaaa cagagagcac tggtttgatg 600
agcttcccag gacggcgctc ctcatcttca aaggtattaa tctccttggtg aagtccaagg 660
ccttcagta tttcatgtac ttggtggtgg cagtcaacgg ggtctggatc ctctgtggaga 720
catttatgct gaaaggtggg aacttcttct ccaagcacgt gccctggagt tacctcgtct 780
ttctaactat ctatgggggtg gagctgttcc tgaagggtgc cggcctgggc cctgtggagt 840
acttgtcttc cggatggaac ttgtttgact tctccgtgac agtggttcgcc ttcctgggac 900
tgctggcgct ggccctcaac atggagccct tctatttcat cgtgggtcctg cgccccctcc 960
agctgctgag gttgtttaag ttgaaggagc gctaccgcaa cgtgctggac accatgttcg 1020
agctgctgcc ccggatggcc agcctgggccc tcacctgct catcttttac tactccttcg 1080
ccatcgtggg catggagttc ttctgcggga tcgtcttccc caactgctgc aacacgagta 1140
cagtggcaga tgcctaccgc tggcgcaacc acaccgtggg caacaggacc gtggtggagg 1200
aaggctacta ttatctcaat aattttgaca acatcctcaa cagctttgtg acctgtttg 1260
agctcacagt tgtcaacaac tggtagatca tcatggaagg cgtcacctct cagacctccc 1320
actggagccg cctctacttc atgacctttt acattgtgac catggtggtg atgacgatca 1380
ttgtcgcctt tatcctcgag gccttcgtct tccgaatgaa ctacagccgc aagaaccagg 1440
actcggaagt tgatggtggc atcacccttg agaaggaaat ctccaaagaa gagctggttg 1500
ccgtcctgga gctctaccgg gaggcacggg gggcctctc ggatgtcacc aggctgctgg 1560
agaccctctc ccagatggag agataccagc aacattccat ggtgtttctg ggacggcgat 1620
caaggaccaa gagcgacctg agcctgaaga tgtaccagga ggagatccag gagtggtagt 1680
aggagcatgc cagggagcaa gagcagcagc gacaactcag cagcagtgcg gccccgccg 1740
cccagcagcc cccaggcagc cggcagcgct cccagaccgt tacctagccc agcgcccgaa 1800
agccgtctct tctatgcaat aacacaatag tattactcta aaaaaaaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaagggggg gg                                     1882

```

&lt;210&gt; 1864

&lt;211&gt; 1926

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1864

```

gcttggcaga ggcaaccaag aaagaaatta cattctttca aacacatcca tatttcagag 60
ttctcctgga ggaggggtca gccacggttc cccgactggc agaaagactt accactgaac 120
tcatcatgca tatccaaaaa tcgctcccgt tgtagaagg acaataagg gagagccacc 180
agaaggcgac cgaggagctg cggcgttgcg gggctgacat cccagccag gaggccgaca 240
agatgttctt tctaattgag aaaatcaaga tgtttaatca ggacatcgaa aagttagtag 300
aaggagaaga agttgtaagg gagaatgaga cccgtttata caacaaaatc agagaggatt 360
ttaaaaactg ggtaggcata cttgcaacta atacccaaaa agttaaaaat attatccacg 420
aagaagttga aaaatatgaa aagcagtatc gaggcaagga gcttctggga tttgtcaact 480
acaagacatt tgagatcatc gtgcatcagt acatycagca gctggtggag cccgccctta 540
gcatgctcca gaaagccatg gaaattatcc agcaagcttt cattaacgtg gccaaaaaac 600
atthttggcg atthtttcaac cttaaccaa ctgttcagag cagcattgaa gacataaaag 660
tgaaacacac agcaaaggca gaaaacatga tccaacttca gttcagaatg gagcagatgg 720
ttttttgtca agatcagatt tacagtgttg ttctgaagaa agtccgagaa gagattttta 780
accctctggg gacgccttca cagaatatga agttgaactc tcattttccc agtaatgagt 840
cttcggtttc ctcttttact gaaataggca tccacctgaa tgctacttcc ttggaaacca 900
gcaaacgtct cgccaaccag atcccattha taattcagta ttttatgctc cgagagaatg 960

```

1163

<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<400> 1866  
aattcggcac aggccttgatc ttcttctggg ggtagggag aaatctgtct ccntattgct 60  
ggttctctta ccaaaatgct ttataaaga aatgaccggg gacatttatt caccaaagga 120  
attaatatac tgagtcaaag attaacaatg ctatactata gagtaatagg tcatrtatag 180  
cctcrattga gttttttatg acaatatttt aacatacctc tctctctaca tatgaaatac 240  
catgaaagtg aractcaaaa tgacacagag ggaaagttag agggaaaatg gaantaattt 300  
cggtagatct ttatgggttt taaaggagta ggaaaataag gtggaaata 349

<210> 1867  
<211> 536  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (492)  
<223> n equals a,t,g, or c

<400> 1867  
gaattcggca gagggacatt tatttccttt ggagtcttat tcttttaagt acttcttaaa 60  
acataacat caccatcacc agaatttttt aaacatgaga ataagacaga cagaactttt 120  
ctttggtagt gttaacacaa aagggtgtctg atcttcatac aagcaatctt tgctcacata 180  
catcaaaatg gaatgacaca aggaaagaac cattttgcaa aaggaaacaa gacaagctgc 240  
cgtcagctag atacgtttcg attgttcagg aaagtctgta caggaaacttt gattggcatc 300  
ctgcttgtct accttctttc ctacttttaa gtgtagctc tgatcattgt tgtcagtgtt 360  
ttctgacccc tcagatctgg tctttgccta tcatgtctga tgtaggcact tggaccaatt 420  
cacctgcaa tcaaggtaat cgaaccaagt gcctacatca gacatgatag gcaaagacgt 480  
cgagcggccc gnaaatttag tagtagtagt agtcggaccc cggggaaatt ccggga 536

<210> 1868  
<211> 853  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (816)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (839)

1164

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1868

```

cgccaggcca ggcacctagg ccaggggagc ggagacctcg tgggagcggg cagggggacc 60
tttcccctct cccgggcttc caccaggcg cctcccgcgt gtgaaacgcc gccgcccagg 120
aaaaactgca tagaaaatct aatggatgaa gatgagaaag acagagccaa gagagcttct 180
cgaaacaagt ctgagaaaga agcgtcggga ccagttcaat gttctcatca aagagctcag 240
ttccatgctc cctggcaaca cgcggaaaat ggacaaaacc accgtgttg gaaaaggcat 300
cggatttttg cagaaacaca atgaagtctc agcgcaaacg gaaatctgtg acattcagca 360
agactggrag ccttcattcc tcagtaatga agaattcacc cagctgatgt tggagagcca 420
tttcagagac tgtgaagaat ccagggtgcca tgtcttagtg gccaggatgt tccctttcta 480
aaatgaggac agagcccagg agataacca tcatgtccct agggaaactgc taatgccctc 540
cagatgtgac tcccgctctc tccctctctc tctctaagag gcacaaaacc agactccagg 600
aggactcaca tagctktgaa gtttgaaaaa acaaaattga cctggctgaa aaaacaaaat 660
tgacctgggc tgcagacmag ccaagctggg aaaagtatca rctgggcaaa gacttgkgyy 720
taccagcatt gggagcagtt gcmcttcaaa aggagccaaa tgcctgkgyy ctgcggaawa 780
ggacttgggg attttgaatt watycaaaag catttntttc tttttaggcc cagaggttnt 840
tcccagggac aca

```

&lt;210&gt; 1869

&lt;211&gt; 1246

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1869

```

agttttcacgc ctgcaaacac aagcattctg ttgatcaacg gaaatatattt gatgtgccat 60
ttcttgtcta aacaagtttc atatacagca ccgagggggc cacgagaggc agaggcccag 120
acagaagggtg aacatagcct tgcagggaga catatgccag gcaggatgac cattgggatt 180
gcatcaagta ttaatcagtt acttaagggc ttctgtcag acagttgaag ttcacattcc 240
ttttactttt cttaattagt ccactaggat ggtatgcctg ttttcaactt aacacatgca 300
tacttgtaaa tatttttagta tgctacagta atttgtcata tctttaatat ttattgtttg 360
taaagcagta aacattttctg tatttttagaa gtcatggagt aaaatcaa atttatgata 420
aataattgga agtatgtttt agtttgaaga ttgtcctttt tcctatcttg ctgcaaggaa 480
aaatggactt ctgattaggt ttacaattg tgaactttta tgtaaatgtt aagtgtcttc 540
gaggagacca aactattatt aatatataaa atggccttgc ccttaaggag caaattaaat 600
ctcatggaga ttagactcaa aaggcaataa ataatcgagg gtttatgcaa tgaaatagaa 660
tttcagaaga gtttggatct caaagattgt ccttcactct cagaaacagg caagtttctt 720
aaaagccctt atagtcgtgt ttttatttta aaaatcgtag cactttattt ttgaagttta 780
aaaagcccat aaacttaatg agtctttata atcagacaca tggaaatata gaaaaccaa 840
gactgatctt agaatataga gtagagagac atgtttgtta ttctccacta gtgacttttag 900
tattttgtta tgtgatgttt tttaggtgca ccttttctca tgactccttt tactttatct 960
aatgtcttcc tctttaaagt gtgaccaga gaccagtagc atcagcatca cctgagacct 1020
gtgaacactg aagctccagc tcagacatgt tggggaccat tttaataaga tacctagctg 1080
attttttgca cagcaaactt tgaaaacccc tgggtctaagg ggtagtattt gtatcactta 1140
tggaatataa tctcagggaa attaaatctg ctcaattgac atttgtgggtg tttcattttt 1200
taaattctct tgagtaactt ctgtagccct ttccagtgtg tcaggt

```

&lt;210&gt; 1870

&lt;211&gt; 133

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1165

&lt;400&gt; 1870

```
ctactctgtg tgtgggttct tggcaagctg ccatgtcttt ggggatcata gaaattattg 60
atgacacaga acactcatat gcccttagcc tgtacagctg attcaacatg ggaacagaaa 120
cactgtctag ggg                                     133
```

&lt;210&gt; 1871

&lt;211&gt; 422

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (416)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1871

```
gcaggacagg aaaggtgaca gagnaagact ctatctcaaa aaaaawkaga ctatcttggt 60
cttaatcctc ttcaattctt cttttttatt cttttctccc tggctccttt gtagtttaat 120
agttatttaa aatcaggtgg agcattttta tgtttcagta taacaccaa atgatctcag 180
ctaagttgct tttgttgctt cttttcatat gaagttttt ccctatcctg tgaatcagcc 240
tttaatccaa aaatgacata aagagaagag caaggactga gccttaagta tgcctagaat 300
gttgaggagg ctgaggacag tgaagaagag atgaaataac cacaaccagt agcttgggaa 360
ccaggataat gtcataagac tcaaattggag ggaattaata tcaagggaag attaanaaaa 420
aa                                     422
```

&lt;210&gt; 1872

&lt;211&gt; 629

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (621)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (626)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1872

```
gatttttttt ttaagaggac ttttaagatc atgatatcta attttaattg tatttacaga 60
ggcttcaaag agtctttgat ttcttgcaact ttgttaaggc tttcttattc cttctcacat 120
cctagaaccg ggttaccctt ccgtgaggca gatccctgc aggtggccat cactgtgggtg 180
gccagcagtg cttccagact cctgcagtca cgggttcct tctgaaatgg atgtgtattt 240
```

## 1166

```

ccaaattcgg atggaagagg ctggattaaa gatagaagag aatgtcctaa gtagaagaga 300
aatatgttct taaattttaa atctctgaat tttctcctta cactggggaa ggtgtaggaa 360
tcatgtaatt gccgcctact ccggcatttg cagtagtggg gagaagtctc tagaaccata 420
ttagacttaa tagataggac actcatgttt ttgtttggtt gggggtagca ttttaaaaga 480
ttattatcat agtcttttatt attaattatt ttggaggaca ggaaagcatt taccttctat 540
ctactttgca aactccatct gtgccataaa tcattatgga tggtgggktg ctatactctg 600
stttttaaat aatttgaggca ngaccngga 629

```

&lt;210&gt; 1873

&lt;211&gt; 1407

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1873

```

ctcacctgt atgacatgtg caaggctgtc agcagggaca tcgtgttgga ggagatcaag 60
ctcattagca agactggtgg tcagcggggg gacttccatc gggcttagca cctgcccttc 120
tcacccatgg cccaccagg cctggagctg ggatgcaatg taggctgagg gaaagacgtc 180
aggttccttt aatcacagtc actgtttgtt taccttgagc agtaaaccgc aagtcagcct 240
gctctactac taacaaacag gcctgctgct agatgatctc taatgaccaa tggggcttcc 300
tttctatagg gaggatacca gcaggccctt aagccttcca ggacactaag gtcgtgggag 360
cgggactgca acaagcaatg ccagataact gagaaatcat gttctttgtg gactatttca 420
gacaaccagg ttccgacagt ccagcccaga acttttctt ctcatttttg gttttctctt 480
ctcctgcttt cctggggaga gattaagcgc tcattaagca gaggagccca ctttgaggag 540
agcaaagcac aagcttgcc gaagaatgga tcccaacttc tcccggcag ctctgcctcc 600
ctaagtcgtg gaagccgcag cctgccttg tctgtcctg tctgacttc atctctcctt 660
ctgcccagtc ctgtgtccca tcagacttgc agcctttcag cttaacagtt gcccggctct 720
gctggccctt tttctctggt cccctctctt ctgaaacagg atgtgcacac atggccatag 780
ccctaaggac tctgcccaga ccacacagcc cacacctggc cctgttcacg gctgttcac 840
ccacccctct ttattctgga gcatatcagg gaaagaaaag ttgatgatag attgccttca 900
ccctcacagc gcacaaataa agctacgatg ccaactttgc agatgcaaga atgaagacac 960
tgtgtgggta gggcactgag ctgctgcagt ttcacaggga aggctgcacc tatcaatcaa 1020
tcaatcaatc ctatcccaag acacagttcc ctgagggaag aagaggaggg acctggaaag 1080
gcctaagggt gtactctctg tatagccccg ctatgggaaa ataaagtgga gtagggggca 1140
tagaaatgcw ccattctaagg gaaatctttt gtcagggtgt ggccaggggt gttcaaagct 1200
cattgcttgc attaccagct attagagaga tcagagaggg caattaatta gaggtcctctg 1260
gttctcatat ccaaacaca cacagttctg gcctgctggg ctctctaact tggatgtctt 1320
tgagtcctca gtggtgcccc ctgcctgcct cccctctgcc ctatgccaaag gtgtgctggc 1380
aaatattaaa caaccagctc tctggaa 1407

```

&lt;210&gt; 1874

&lt;211&gt; 707

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (658)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1167

&lt;222&gt; (676)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (684)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (706)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1874

```

ccgtctcaaa aaataaataa ataaataaaa aataaaacaa ataaataaaa gctaaagcat 60
tctaggaatt acatgtctgg gagctacttt gctgaatctc ttggaagttg ttaaggaaaag 120
gcatctgaga tataccagat cagaccttca tcttctgagc ttcccacttg taaactgaaa 180
ttttaaatta cctggaatag gcctcccttc tcttaactcc caatttgaag gctgcgattt 240
taaattagat gagaatttac ttaactctat ttgatacata tccttatgaa tgaacatttg 300
ttgactgtct actgaatgtg acagggtattg ttctaagcac tttatttgta atgacttact 360
tttacaaaac acccctatga gtaatgttct attgtccctt tatttacagt tgaggaaact 420
gggtacagag rgattaagta actagtctga tgtcacaggt agtattcagc tgagccygca 480
ctcataaata tgatactgtc ctgcttctcc cttgctaata taggcaataa agagctttct 540
gaaggggaag aaatattatt attaaactga tttaatgaat tactataatt gcagtttcaa 600
taattagttt tgtaaaatgc aactgggtat agcagttttt tgaagttttc taattttntc 660
cttctgtcac tttggnctctg gtangtttgc cttttcacca ttgctna 707

```

&lt;210&gt; 1875

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (261)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1875

```

gcaaaaataa aggggctaca gaaacactca tttttatgct gttccctctt gggcttcatg 60
caaagacaat tctgtgtaaa tgtacagttg actctgatth ggaaatatga aaatcagtc 120
atccttgta taaaaaattt ttttacaatt gtaattatat tgatgttcat attgtgtaaa 180
ataactcatt taataaaata gtactttgat ttacgacawm aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa naaaa 265

```

&lt;210&gt; 1876

&lt;211&gt; 513

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1876

```

gcgggtccct tctacttctt ttcttttctt tctggtgacc ctggcagtg aaaactgcc 60

```

1168

```
cctcttttagg tttctgtaga gccaaaaata atctccta atgtctcctga tgtttgatag 120
gtattccctc ggaagtttagg aattcccttt ctctccatat tgttgcatgg gcatggagag 180
ttaggtaagc atacttagag tctttatata tatttaccct ttttccttct cctaattcta 240
gtgtataacg gccctgctt ttcctaggat gtctctccct aacaaaggag tggggctttc 300
aggcataatt agaaagacat gtgaaaagag taaagttcgc cagtcacaam ttagtggctg 360
ggagaagtat wtagtgactr cctgtcctag gacccctcag atagtgcacag atctggagga 420
cagttgtcca ggacaggaga gtaagaytga gacagctgcg ccagtgtcca ggagacagtt 480
aacctcctgg ccctcaatga tcaagcatat ccg 513
```

&lt;210&gt; 1877

&lt;211&gt; 650

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (621)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1877

```
ctttggagga gagactccta ggatggccca caacctgctg ctgcctgtag cagagctaga 60
agggaaggag tctgccagct cttccacagc atccccacca tcctcctcca ctgccatctt 120
tcagccctct gaaaccgtgc tccttggaa gcaaagggcc gaggagcatc tggttttcat 180
ggcaaaagctc tactccagag ctctttaa atctgcta taagtgaat aaatttttct 240
agaaaaatggc aaagatgact tccaggtgga tattgctctc ttacggtgtt ggggatgcca 300
gaacaccact tggttttatt tttctaagt catgtgatgt gatagagtgt gtggggctct 360
gtgtccttcc ctgggagctg gcattccagc gggccctct ctttacctt gttgggggaa 420
ggaggcaaga gagaaattcc ttcttcccag ccagagaggg cagaagcaga ccgtagccca 480
ttggccttat gtgcgtgtgt gcgtgcgagt gtgtcactgc tgggtgggccg gagtgatgtg 540
gtgggaggga agccgggaat gtatcctttt cagacaaaat taaatatttt gaaatgagaa 600
aaaaaaaaaa aaaaaactcg ngggggggcc cggtaaccca attcgcctta 650
```

&lt;210&gt; 1878

&lt;211&gt; 721

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (157)

&lt;223&gt; n equals a,t,g, or c

1169

&lt;400&gt; 1878

```

ctcagngecc gccccatact tgctgagccn gaggaacca ggatgctgca ggagccagag 60
tctgcactat caagagctgc aggagggtt ctctgagttg gaagaggttc ctggtttggg 120
gaatgggtccc acggtggcca gcacaggagc aaatganagg gtgggacagc gggaacagac 180
acgtgctgct ctccttcac cctgagagaa tgctctccag acattcctgc atccccccc 240
accaaactca gaagcttgct gggatccttc gagtccaata ggaagtccgg gagkgccttc 300
agttttcact caaagcaggc ctttttttcg ttccttcctt gttaggggaa gatacacctg 360
gacgagaata tatectacc tcaccacctt gaaaagctgc tttctccctt scatccatat 420
cctctcttcc tgtcacctcc ccatacagct tcacatttgc ctcatcgac ttttcttttc 480
tgtccacctt tcataatccc atccactcca aatcccgac cctgcacacg ccaactccct 540
gaatccaatt caggagtgc ccagttcccc ttctgatcca tctcctttct actgtagcgg 600
agactacaag tcccaggatg ccccgctagc ccgtgaccgg ctaggaaata aagagccttc 660
tctccgcggt aaaaaaaaaa aaaaaaaaaa aaaactcgag ggggggcccg gtaccaaat 720
c

```

&lt;210&gt; 1879

&lt;211&gt; 564

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (524)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (536)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1879

```

ctgcctgca ctgctctccc tncgctgtgg ggaagcgaca acgtcccgat aacttgca 60
ctgtggcgca actggtcttg gtagcggagg cayyccaatg ctgcccgggt gagaaacctg 120
gcaaagaaaa cggctctcgac aatgagtagg ccaccatca ctactaacta cagatgactt 180
gccatttcat ttacaaagat gtcttctgct gctgaaaatg gagaggcagc acctggaaaa 240

```



1170

```

caaaatgaag aaaaaaccta taaaaagact gcatcatctg ctattaaagg tgctattcag 300
ctgggwatag gatacacagt gggtaatctc acttccaagc cagaaccgag atgttcttat 360
gcaagacttt tatgtggtgg aaagtgtgtt cctaccagc gaagggaagc aatcctgacc 420
ccagcacatc actaccaag acttttagatt taaggacata cgctccatta gcantccggt 480
atctcagaga actttttggg tatcaagcct gatggattac ttgnattcca tcctgnagtg 540
aaacctctna tagaactggg ctaa 564

```

&lt;210&gt; 1880

&lt;211&gt; 277

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1880

```

tttttttttt tttttttttt tttttttttt tttttttttt ttttctaagg cccaaaaatc 60
tatraaacct tgattatttg ttagttttgc aattcaaaac agctaattgc kggytatttc 120
tcaaagtaag tatttttaac agcctgtaag atactgtata tgcgctgctg tagataccgg 180
aatgaatttt ctgtacatgt ttggttaatt ttttttgtac atgatttttg tatgtttcct 240
tttcaataaa atcagattgg aacagtga aa aaaaaa 277

```

&lt;210&gt; 1881

&lt;211&gt; 2522

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2510)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2517)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1881

```

gccggcccag cgcccgccac cggccmgcgg tgccctcaga ggacctgggtc agacaagatg 60
tgaaatggag aagtatctga cacctcagct tcctccagtt cctataattc cagagcataa 120
aaagtataga cgagacagtg cctcagtcgt agaccagttc ttcactgaca ctgaaggggt 180
accttacagt atcaacatga acgtcttcct ccctgacatc actcacctga gaactggcct 240
ctacaaatcc cagagaccgt gcgtaacaca catcaagaca gaacctgttg ccattttcag 300
ccaccagagt gaaacgactg cccctcctcc ggccccgacc caggccctcc ctgagttcac 360
cagtatatcc agctcacacc agaccgcagc tccagaggtg aacaatattt tcatcaaa 420
agaacttcct acaccagatc ttcattcttc tgtccctacc cagcaggggc acctgtacca 480
gctactgaat acaccggatc tagatatgcc cagttctaca aatcagacag cagcaatgga 540
cactcttaat gtttctatgt cagctgccat ggcaggcctt aacacacaca cctctgctgt 600
tccgcagact gcagtgaac aattccaggg catgccccct tgcacataca caatgccaa 660

```

1171

```

tcagtttctt ccacaacagg ccacttactt tcccccgta ccaccaagct cagagcctgg 720
aagtccagat agacaagcag agatgctcca gaatttaacc ccacctccat cctatgctgc 780
tacaattgct tctaaactgg caattcacaa tccaaattta cccaccaccc tgccaggtta 840
ctcacaaaac atccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 900
acgcatccac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 960
aaaagctcac ctgaggactc aacttggtga aaagccatac aagtgtacct ggggaaggctg 1020
cgactggagg ttgcgcgat cggatgagct gaccgccac taccggaagc acacaggcgc 1080
caagcccttc cagtgcgggg tgtgcaaccg cagcttctcg cgctctgacc acctggccct 1140
gcatatgaag aggcaccaga actgagcact gccggtgta cccgttccag gtcccctggg 1200
ctccctcaaa tgacagacct aactattcct gtgtaaaaac aaaaaaaca aaaaaaaca 1260
agaaaaccac aactaaaact ggaaatgtat attttgtata ttgagaaaa cagggaatac 1320
attgtattaa taccaaagtg tttggtcatt ttaagaatct ggaatgcttg ctgtaatgta 1380
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gggkgggggg tggaggggar tgtgtgcagc gtttttacct aggcaccatc atttaatgtg 1500
acagtgttca gtaaacaaat cagttggcag gcaccagaag aagaatggat tgtatgtcaa 1560
gattttactt ggcatgtagt agtttttttc aatagtaggt aattccttag agatacagta 1620
tacctggcaa ttcacaaata gccattgaac aaatgtgtgg gtttttaaaa attatatata 1680
tatatgagtt gcctatatatt gctattcaaa attttgtaaa tatgcaaata agctttatag 1740
gtttattaca agtttttttag gattcttttg gggaagagtc ataattcttt tgaaaataac 1800
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aaaatgccaa aaggggtctn aattgaartg aaaatgtaat tttgttttta aaatattgtt 2460
tatcttttat ttaggggggg tgggtaatta ttagttaagt tttttttaan aaaaaanaaa 2520
tt

```

&lt;210&gt; 1882

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

1172

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1882

```
nnatcaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag cccacctcca tcctatgctg 120
ctacaattgy ttctaaactg gcaattcaca atccaawttt acccaccacc tgccagttaa 180
ctcmcaaaac wtccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 240
acgcatccac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 300
aaaagctcac ctgaggactc aactgggtga agttatcagt accagactat tttgcttcaa 360
tctgcaaaag gaagggtgtg gaagggtgaaa agccatacaa gtgtacctgg gaaggctgcg 420
actggagggtt cgcgcgatcg gatgagctga cccgc                                     455
```

&lt;210&gt; 1883

&lt;211&gt; 858

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (856)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1883

```
ggttctgccc ccactgctta taatgctggt gatctacatt aagatcttcc tgggtggcctg 60
caggcagctt cagcgactg agctgatgga ccactcgagg accacctctc agcgggagat 120
ccatgcagcc aagtcactgg ccatgattgt ggggattttt gccctgtgct ggttacctgt 180
gcatgctgtt aactgtgtca ctcttttcca gccagctcag ggtaaaaata agcccaagtg 240
ggcaatgaat atggccatct ttctgtcaca tgccaattca gttgtcaatc ccattgtcta 300
tgcttaccgg aaccgagact tccgctacac ttttcacaaa attatctcca ggtatcttct 360
ctgccaaagca gatgtcaaga gtgggaatgg tcaggetggg gtacagcctg ctctcgggtg 420
gggectatga tctaggctct cgctctctcc aggagaagat acaaatccac aagaaacaaa 480
gaggacacgg ctggttttca ttgtgaaaga tagctacacc tcacaaggaa atggactgcc 540
tctcttgagc acttccctgg agctaccacg tatctagcta atatgtatgt gtcagtagta 600
ggctccaagg attgacaaat atatttatga tctattcagc tgcttttact gtgtggatta 660
tgccaacagc ttgaatggat tctaacagac tcttttgttt ttaaaagtct gccttgttta 720
tgggtggaaaa ttactgaaac tattttactg tgaaacagtg tgaactatta taatgcaaat 780
actttttaac ttagaggcaa tggaaaaata aaagttgact gtactaaaaa tgtaaaaaaa 840
aaaaaaaaaa aaattnct                                     858
```

&lt;210&gt; 1884

&lt;211&gt; 1419

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1884

```
gtttccagta gcttggaaag tagagatgac taatgtttta gccttttctt ggagaaaagg 60
aagaactctt cttgaatatt ttcacagatg attgtgattg ctttaaataa cctctgtggc 120
aatttaaatt agatggattt aatctcagta atgtgctggt cgcataaatg tcatgtttta 180
ataggaaaag ttacttgtaa atcttttagac ctttgttgct acttaggctg gggagtcact 240
accctatttg gcatcttact agttgggggg acccttttccg tgtacagtga tgggactttt 300
gtgaccttta ctctcactat gcaatagagg gtttcatgta gttaatctga catgtcaaaa 360
```

1173

```

ttgggaagac tgtaaccttt tttttttttt ttttaagattt ctcttttttg tgtccctcaa 420
tacttagcag atgttcattt ggtggaaatt cttattactt acatgaatga gtttgaattt 480
agtggcaagg aagaaaaaaa aaactcaaat tattgtttta aaagaagaaa acttgcaaag 540
tacataagta ttttttaaaa atcaatcgaa cagaaaggaa tgcattgctgt ttttcaatgg 600
cttagacatg ctttttattc actgactagt attcactttt ttacaacttg tatcaaaaca 660
aatgatcttt gtttttgtca caggcaaaaa caggttgaca ctggtgggtt ggctttatta 720
attaattttt tttctattag gttttcttta ataattgtta atttctaaat tatagcatat 780
gttttagtta attctgaaat cagttacttc atttggttaat ttatccctca tatcatgaat 840
attgtttttt aaatgttcta tacaaatttg catcacttct tttcttacag cttttgcagt 900
taatataattc taaacttgaa aatgtggtat caatcaataa tagaagtatc actggaggat 960
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gggaggagat agtccactgt gcttatgttt ttttgtttaa tttctatatt ctgaagcagt 1140
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ctgtaaaaat cacagtataa aattatgaag tttggttaact gtaaaatgta ctgtatttat 1260
atgtaactct cattctaaaa gttgccacaa aagctgaatt ggaagcttca tgtctgcatg 1320
aaatttctta tatttttaat gtgtatgatg aaattaattt ttcttgaata ttaaagctctg 1380
ccaattgcta tgaaaaaaa aaaaaaaaaa aaaactcga 1419

```

&lt;210&gt; 1885

&lt;211&gt; 2013

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1885

```

attcggcacg acgggcaaaa gtctctacca cacctactca actctgtcac gctagcacia 60
aacagccaca cacaataaca ttaaaaaatg ggtataactg tgttccaata aaactctatt 120
agcaacaggc agtgggccag atstggcact gactgcagtt tactaactat ccctgatca 180
agaatgtcca acaatagctg aaagtactt gagaaagtca gcactgtagg aggaagaaac 240
taacaccaaa acacaagccg gtagttcttg ggaaatgctg gcagaccaag ggcgggacct 300
cttgcccaga ataattctct tctcctacta aggaacctat aggttactg aagtaatcca 360
ttactttgaa tcaactctct ctttgcccca cttttaaaca caaatcccca tccctaatag 420
ttactggtga acagatggac tcatcccttt cttatccgag aagccccatc acatgctatg 480
tcctatcaca tgctatacca gaagctaggg ctgcagaggt ggatgacgcc ccagatccc 540
tgccccctag gggcttaaga gtctagcagg ggcacctgac ccaagtaagt acaatgcagg 600
gtaaggctg ctaaagagca cgtgaaaagg agctgggaac acagctgggtc agcagagctt 660
cagggagggc tgaaggacag gctgcacacg aggcactcag aaaacagcag tgaaacagaa 720
ggcaggcagc aacggcagtg gtactggacc tggggaacac caagttcaag ctctatatac 780
aacgaggaca aaaatgaacc aggtccctg aaagcaggga atctaactg tgctacggcg 840
ccttcccagt ccacgagggc gtgagagtac atacacatgc aagtgcactc cagcgtcac 900
ccaagcaaca cccttgagga aacacggact ccaggcccaa atccagcctg agaccctcaa 960
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ctctgcctgc cccatgccag actaggattc cagtgcata agcgccctct acagactcag 1080
aaggacagag aaggttctgc tggaagtggg ctctcagca aaccagcaga taggggttcc 1140
tttgatattt ataccccagg ttttttact ctacgtgac atctatgtgg ggccaatgaa 1200
gccaattctt cttttgtaca tatgcagtcc tgtaagaatg cattcaaacg ggatccgcta 1260
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atagacagca aaaaccaacc actaattcag caaacacaa ctcataccta accgcttccc 1440
tttaaatggc cttcggtgtg tgcgcacatg ggcacgtgcg gggagaacca tacttattcc 1500
cctgttcccg gcctaccacc tctgtctccc cttctcttct ctaccattta actgtctcct 1560

```

## 1174

```

ctgctttgtt tcttatcact gctgctggtg tctagagcca gccagcagta cctggcagac 1620
atcgcgaccc tgcgggcagc gcttaggact gcacatttac atttcccaa tgatctgggt 1680
agatggggac aggtgaagac ttggggaaac ggaaatatac gaatgacatg agacatgcat 1740
atctagtgtc aatccattcg actgggcaca ggacagcaga ctgctgacag tgctatgtaa 1800
gattatgagt gatccctccc ctattttgca aacagtctgt aagtaactga taaaacttta 1860
aaatatgcaa attttaaaat tatatagttt gatttactca tcaaattatc atgtatgctg 1920
ttattttaagt atgaataaaag gcttttttaa attgggaaaa aaaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaaggggggg ggg                                     2013

```

&lt;210&gt; 1886

&lt;211&gt; 1893

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1886

```

gccacgcgt ccgcggacgc gtgggtcgac ccacgcgtcc gaaaaaacat ggtttctcct 60
ctctctcctg tcttcttact ctctatccca tttgatgtag tgatttttaa atgcttttgt 120
aagttaattc ttaacacaaa agagacattg taatgaggca caccactaaa gtgagcatgc 180
ccaattaaaa ccagtgtaat ataggataag aaaatctgat ttttcaaaaa agatactcta 240
cataaagaat ccttcatata aaaagttctt tctttagta cattttaaagt ttaattcac 300
tcatgtataa ctgagagttc ctttgagccc ttttaggca gggaggcatg tctgtcatct 360
agcgtgtggc ccagtaagtg attattacat tggatcagt ttttcagtct tttaaaataa 420
attctatgcc ataagaataa aagataaaga gcaaaattaa tgttaactat ttttagctta 480
ttataactat gtcaacaagt gtttattaat acctattatg ggaaagtcac tgtggttggc 540
attgaaaatt acatcatctt taaagcagta tttgtccca gatggactca tcactagcaa 600
agactaggtt cattggaagg cataggggtga gagaatggga agatgragtg gaggcgggtt 660
gttaaagtgc tgcagtgag tgattttgtc tacttgaata atggtccatg tttgggggca 720
tattgtgttt cataagaagt gaaaggtatt tgcaaaagta gctacaaatg acccataaat 780
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gaactggtgc ttggtgatgt gcagatgggg ctggtggtta agagagctat tacaggtttt 900
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gccaatagga ctgataatat tagcttcaaa ccaataatat ccagggttaa aataaaaatc 1620
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caaattacct ttcttactac actgtttgca gaatgaatgt agaaatgac ctgttagctt 1800
tctgaatgtt ctgtggttga atgtgtttt gcttaataa agcttttggg atttgtttaa 1860
attamaaaaa aaaaaaaaaa aaaaaaact cga                                     1893

```

&lt;210&gt; 1887

&lt;211&gt; 433

&lt;212&gt; DNA

1175

&lt;213&gt; Homo sapiens

&lt;400&gt; 1887

```
aattcggcac gagggcgag gccccagcca gctcaggcta cactatccca ggatcagcat 60
ggccgtccgc cagtgggtaa tcgccctggc cttggctgcc ctccttggtg tggacagga 120
agtgccagtg gcagcaggaa agctcccttt ctcaagaatg cccatctgtg aacacatggt 180
agagtctcca acctgttccc agatgtccaa cctgggtctgc ggactgatg ggctcacata 240
tacgaatgaa tgccagctct gcttggcccc gataaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtgggtg gcatggagag gatatgacat gaaataaaaag atccagccca aaaaaaaaaa 420
aaaaaaaaaa aaa 433
```

&lt;210&gt; 1888

&lt;211&gt; 413

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1888

```
gaggaagtc aagaaggag gttgaggact gcacttttga tttacttctg acttcacgag 60
tcactttctg ccaaagaaat ctctcctttt gcttctagca cgcactagat ttccttcagc 120
tgatgattga ctcccagaat tcgaaagaaa ctgagtccca caaagctctg tctgatctgg 180
agctcgcagc ccagtcaata atcttcattt ttgctggcta tgaaaccacc agcagtgttc 240
tttccttcac tttatatgaa ctggccactc accctgatgt ccagcagaaa ctgcaaaaagg 300
gagattgatg cagttttgcc caataaggca ccacctacct atgrtgccgt ggtacagatg 360
gattaccttg acakggtggt gaatgaaacc tcaaattatn cccgttggtg tta 413
```

&lt;210&gt; 1889

&lt;211&gt; 783

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (776)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1889

```
gagaaaaagg tagaagaata aaagatccag tactttcttc tgggtaagca gttatgacca 60
gagatggaac cggcaactct ttggccagaa agctgtatcc aaaagacaga gaagatgaat 120
gtttttgttc actggtgact caggtaacac gtcttcaaga agccataggg aggttgaggg 180
agggaagtca agaaggagg ttgaggactg cacttttgat ttacttctga cttcacgagt 240
cactttctgc caaagaaatc tctccttttg cttctagcac cgactagatt tccttcagct 300
gatgattgac tcccagaatt cgaaagaaac tgagtccac aaagctctgt ctgatctgga 360
gctcgcagcc cagtcaataa tcttcatttt tgctggctat gaaaccacca gcagtgttct 420
ttccttcact ttatatgaac tggccactca ccctgatgtc cagcagaaac tgcaaaaagga 480
gattgatgca gttttgcccc ataagggtgag gggatgaccc ctggagatga agggaagagg 540
```

## 1176

tgaagcctta gcaaaaatgc ctccctacca ctccccagga gaatttttat aaaaagcata 600  
atcactgatt ccttcactga cataatgtag gaagcctctg aggagaaaaa caaagggaga 660  
aacatagaga acggttgcta ctggcagaag cataagatct ttgtacaata ttgctggccc 720  
tggttcacct gtttactgtt atcacaataa tgctaagtaa aaaaaaaaaa aaaaanggcg 780  
gcc 783

<210> 1890

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<400> 1890

cgncgagca ccctagcaca gcgccgggta agatgagcac ggaaggtggt ggccgtcgct 60  
gccaggcaca agtktcccgc cgcctctcct tcagcgcgag ccaccgattg tacagtaaata 120  
ttctaagtga tgaagaaaac ttgaaactgt ttgggaaatg caacaatcca aatggccatg 180  
ggcacaatta taaagttgtg gtgacagtac atggagagat tgaccctgct acgggaatgg 240  
ttatgaatct ggctgatctc aaaaaatata tggaggaggc gattatgcag ccccttgatc 300  
ataagaatct ggatatggat gtgccatact ttgcagatgt ggtgatnctc cctggtctat 360  
aacaggangc cccttaccga gcagcaggca gatatggnc 399

<210> 1891

<211> 3035

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2911)

<223> n equals a,t,g, or c

<220>

1177

&lt;221&gt; misc feature

&lt;222&gt; (2959)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1891

```
cccgagcag cgcggcagca gcatggctca cgggcccggc gcgctgatgc tcaagtgcgt 60
gggtggtcggc gacggggcgg tgggcaagac gtgcctactc atgagctatg ccaacgacgc 120
cttcccgag agtacgtgcc caccgtcttc gaccactacg caggaagact atgaccgtct 180
gaggccttta tcttacccaa tgaccgatgt cttccttata tgcttctcgg tggtaaattc 240
agcctcattt caaaatgtga aagaggagtg ggtaccggaa cttaaggaat acgcaccaa 300
tgtacccttt ttattaatag gaactcagat tgatctccga gatgacccca aaacttttagc 360
aagactgaat gatatgaaag aaaaacctat atgtgtggaa caaggacaga aactagcaaa 420
agagatagga gcatgctgct atgtggaatg ttcagcttta acccagaagg gattgaagac 480
tgtttttgat gaggctatca tagccatttt aactccaaag aaacacactg taaaaaaaag 540
aataggatca agatgtataa actgttggtt aattacgtga gaaacatctt cagtggccaa 600
ggaaactgtc catttctctc agaaagcaaa tgaaatgcta cagctatacc cagacctttt 660
ataggtaatg aagcagttca aaacttgaaa gaaaacaaaa cctgtcctca gaattctata 720
aagtgtatta agaattgttc ttaaagggtt aagaagcagt aagcagcatc tgaagccaca 780
atctattata aatactttat ttcaactaga aggtacaatc tctcaggggt ttcatagttt 840
aaaaagctac aatcacatca tgttgtaact acgtaaaaaa cagagctgta aatggaactg 900
cttggtcttg accatacaca tttctgcccc gcccttacag aatctgcaca aagaaatatc 960
tccctttgct ccagttaatt gttcttgat gtaagttgct ttctattcca gtatatccag 1020
agtggtgaaa taacaaggcc agccacgtag ccaaaggctc ctccaagcgt acaggagatg 1080
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gagcacaagt gtaacctaaa tatttctata ttaaagctta atgtgctttc ttaaagaatg 1200
ccaaaagtgt aataaggctc taactgcatt tatcatgaac actaaaaatg tacacatttt 1260
agttaatgtg cattaaactg taacaaggct tctggcaatt gtagatttag tttgacgctc 1320
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ggaggaaaat tttcatgttc ttctgtgaag cttatttggg aactggagc catttcta 1860
ctttctctgg ggggaacagg ccacagaact gtgttagagg tgaacctct taattactag 1920
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gaattacaac agtaaaactat tacacatttc caacttgctt ttggggattt atgaggattt 2640
tttttggtgg ggggaggggg ctccaattca tatctctgaa acccttcaca cttgggtttac 2700
taattcaaag ttagaagtct agaatttgcc ctgccctaac agaaacagat taggaatttg 2760
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## 1178

tctacacaaa ctggtgtcac ctgtttcttg actgggattt ggtttcctca ttataaatat 2820  
gggaggtaga acagagatct ccaacgtctc tcccatatat cacagtaatt ttcttattca 2880  
cagtaatcat tgttggrtgt tactttttca ncttcacatt ctcaagatgg taaaaatcat 2940  
gtatatagat tatcagaant ctaagcaaag atgactgtca catctgaagc tgagggtgcct 3000  
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<210> 1892

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 1892

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cttctttttc aggcacataa gccaaatgca ggctgtgtg tagctgtgtg ttttttctgt 180  
ggttgcccga tttattccac ctccagctgg acccccact gcaaataagag aacagcggtg 240  
ggggatgggg gttaaaaagt agagaacctc ctttctgttc aactaatttc acgtgacagt 300  
gcatgtatth attcaataaa acctttatgt tagctcaaaa aaaaattcca aatgaagaaa 360  
agaaagaaac tttnaa 376

<210> 1893

<211> 1304

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1304)

<223> n equals a,t,g, or c

<400> 1893

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ggctcggcgt gctgcggatc agctcagcta ctatttaata aaacaaaatc tgtagaattc 180  
acgttttgta atgacactgt cgtcattcca tgctttgtta ctaatatgga ggacaaaaac 240  
actactgaag tatacgtaaa gtggaaatth aaaggaagag atatttacac ctttgatgga 300  
gctctaaaca agtccactgt cccactgac tttagtagtg caaaaattga agtctcacia 360  
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aactacactt gtgaagtaac agaattaacc agagaagggtg aaacgatcat cgagctaaaa 480  
tatcgtgttg tttcatgggt tttccaaat gaaaatatth ttattgttat tttcccaatt 540  
tttgctatac tcctgttctg gggacagtht ggtattaaaa cacttaataa tagatccggg 600

## 1179

```

ggatatggatg agaaaacaat tgctttactt gttgctggac tagtgatcac tgtcattgtc 660
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ggtttaattg tgacttctac agggatatta atattacttc actactatgt gtttagtaca 780
gcgattggat taacctcctt cgtcattgcc atattgggta ttcagggtgat agcctatata 840
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ctgatttcag gtttgagtat cttagctcta gcacaattac ttggactagt ttatatgaaa 960
tttgtggcct ccaatcagaa gactatacaa cctcctagga aagctgtaga ggaacccctt 1020
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ccttacgtga ttgttagtta agtttttatt caaagcagct gtaatttagt taataaaata 1260
attatgatct aaaaaaaaa angacaagaa ttaaatgata aacn 1304

```

&lt;210&gt; 1894

&lt;211&gt; 2617

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1894

```

ctactaaagg gaacaaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggt ctgcaggaat tcggcackag cggctgggag ctgaggatca gccgcttcct 120
gcctggattc cacagcttcg cgccgtgtac tgtcgcccca tccctgcgag cccagcctgc 180
caagcagcgt gccccggttg caggcgctcat gcagcgggag cgaccacgc tctggggcgc 240
tgcgtgact ctgctggtgc tgctccgagg gccgcgggtg gcgcgggctg gcgcgagctc 300
ggcgggcttg ggtcccgtgg tgctcgcgga gccgtgcgag gcgcgtgcac tggcccagtg 360
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cgggctctgc gtcaacgcta gtgccgtcag ccgctgcgc gcctacctgc tgccagcgcc 600
gccagctcca ggaaatgcta gtgagtcgga ggaagaccgc agcgccggca gtgtggagag 660
cccgtccgtc tccagcacgc accgggtgtc tgatcccaag ttccaccccc tccattcaaa 720
gataatcatc atcaagaaaag ggcattgctaa agacagccag cgctacaaaag ttgactacga 780
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ttatcgagaa taggaaaacc tttaaacccc ggtcatccgg acatcccaac gcatgctcct 1560
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gaaggccag gatggctttt gctgcggccc cgtggggtag gagggacaga gagacaggga 1860
gagtcagcct ccacattcag aggcacaca agtaatggca caattcttcg gatgactgca 1920

```

## 1180

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gaaaatagtg tttttagtgc caacaactca agacgaagct tatttctgag gataagctct 1980
ttaaaggcaa agctttatct tcattctctc tcttttgcgc tccttagcac aatgtaaaaa 2040
agaatagtaa tatcagaaca ggaaggagga atggcttgct ggggagccca tccaggacac 2100
tgaggagcaca tagagattca cccatgtttg ttgaacttag agtcattctc atgcttttct 2160
ttataattca cacatatatg cagagaagat atgttcttgc taacattgta tacaacatag 2220
ccccaatat agtaagatct atactagata atccttagatg aaatgttaga gatgctatat 2280
gatacaactg tggccatgac tgaggaaagg agctcacgcc cagagactgg gctgctctcc 2340
cggaggccaa acccaagaag gtctggcaaa gtcaggctca gggagactct gccctgctgc 2400
agacctcggc gtggacacac gctgcataga gctctccttg aaaacagagg ggtctcaaga 2460
cattctgcct acctattagc ttttctttat ttttttaact ttttgggggg aaaagtattt 2520
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 2617

```

<210> 1895

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (521)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 1895

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aaagaatccc agaccccgcc cgggaaggca gccgcaccat ggagtcttcc agttcatcta 180
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agctcaaaaa gtgggatgag tttgaagata ttttagaaga gaggaggcat gtcagtgact 300
tgaaatttgc aatgaaatgc tacacacctc ttgtctataa gggaattact ccatgtaaac 360
caattgatat taaatgtagt gttctcaatt ctgaggrgat tcattatgtc attaaacagy 420
tttccaagga wtcccttcaa tctgtgggtg tccccccgag gaagttagta ggttttaggt 480
ggaatgggtc acaaatnggt tttgggccct tcggtttgtg ncttancngg gcaagttttt 540
aacaaatttt 550

```

<210> 1896

1181

&lt;211&gt; 857

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1896

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tcatcagatg aagagcctat tgaagatgaa cagactccaa ttcatatatc atggctatct 180
ttgtcacgag tgaattgttc tcagtttctc ggtttatgtg ctcttccagg ttgtaaattt 240
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gacatatattg ttttctgcac cagaggggaa ctgtcaaaat atagagtccc aaaccttctg 360
gatctctacc agcaatgtgg aattatcacc catcatcatc caatcgcaga tggagggact 420
cctgacatag ccagctgctg tgaaataatg gaagagctta caacctgcct taaaaattac 480
cgaaaaacct taatacactg ctatggagga cttgggagat cttgkcttgt agctgcttgk 540
ctcctactat acctgtctga cacaatatca ccagagcaag ccatagacag cctgcgagac 600
ctaagaggat cgggggcaat acagaccatc aagcaatata attatcttca tgagtttcgg 660
gacaaattag ctgcacatct atcatcaaga gattcacaat caagatctgt atcaagataa 720
aggaattcaa atagcatata tatgaccatg tctgaaatgt cagttctcta gcataatttg 780
tattgaaatg aaaccaccag tgttatcaac ttgaatgtaa atgtacatgt gcagatattc 840
ctaaagtttt attgaca 857
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&lt;210&gt; 1897

&lt;211&gt; 779

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1897

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cgccggcgct gcagagggag gcggcactgg tctcgacgtg gggcgccag cgatgaagcc 60
ggctatcttt gtcacgagtg aattgttctc agtttctcgg tttatgtgct cttccagggt 120
gtaaaatttaa agatgttaga agaaatgtcc aaaaagatac agaagaacta aagagctgtg 180
gtatacaaga catatttgtt ttctgcacca gaggggaact gtcaaaatat agagtcccaa 240
accttctgga tctctaccag caatgtggaa ttatcaccca tcatcatcca atcgagatg 300
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aaaattaccg aaaaacctta atacactgct atggaggact tgggagatct tgtctttag 420
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agtttcggga caaattagct gcacatctat catcaagaga ttcacaatca agatctgtat 600
caagataaag gaattcaaat agcatatata tgaccatgtc tgaaatgtca gttctctagc 660
ataatttgta ttgaaatgaa accaccagtg ttatcaactt gaatgtaaat gtacatgtgc 720
agatattcct aaagttttat tgacaaaaaa aaaaaggaag aaaaaaacac aacaaaaaa 779
```

&lt;210&gt; 1898

&lt;211&gt; 3310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1898

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cggaggaggg ctgctgtgga ggagaagcgg aggcagagac ttgaggagga caaagaacgc 60
cacgaagctg ttgtacggcg cacaatggaa aggagccaga agccaaaaca gaagcataac 120
cgttggctgt ggggaggctc tctccatggg agccctagca tccacagtgc agctcgccgc 180
ctgcagctca gcccatggga gagcagcgtt gttacagac tcctgacgcc cacacattcg 240
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1182

```

ttcctggcca gaagtaaaag cacagctgcc ttgtctggag aagcagcatc ttgcagcccc 300
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gtaacaccac ctgaggggctc ttctcgagg aggatcattc atggcacagc gagctataaa 420
aaagaaagag agagagaaaa tktactcttc ctacatctg gcacccgaag ggctgtatct 480
ccatctaate ccaaagcaag acaaccagct cgctcccgc tttggcttcc gtccaagtct 540
cttctcatt tgcttggcac acccagaccg acatcctcct tgccacccgg ctcatgcaaa 600
gctgctcctg ctcatggctcc gccccatcc cccggcaaca tccgccctgt caagagggaa 660
gtcaaagtgg agcctgagaa gaaagatcct gagaaggaa ctcagaaagt tgccaatgag 720
ccctcactaa agggcagagc accttttagt aaggtagaag aagccacagt tgaagagcgg 780
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1183

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3310

<210> 1899  
<211> 1184  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (995)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1041)  
<223> n equals a,t,g, or c

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gttgaggagg agtgacagggc agcagagggc aaataaaata cctgtgaatc aaaccatggg 180  
ttaggtacaa cccacacctga aaatggactc tcagagcacc cctgtgaaac agaacagata 240  
aatgcaaaga gaaaagatac aaccagtgc aaagatgatt cgctaggaag ccaacaaaca 300  
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tttaagaaaa gagtgatagg acaagaccac gacttttcag aatccagtga ggaggaggcg 840  
cccgacagaag cctcaagcgg ggcaactgaga agcaagcatg gtgagaaggc tcctatgact 900  
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<210> 1900  
<211> 3878  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2078)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1184

&lt;222&gt; (2079)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3847)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3869)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1900

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tgacacgggc cccacaggca tcaagtatga cctggaccgg caccagtaca actacgtgga 60
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## 1185

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&lt;210&gt; 1901

&lt;211&gt; 175

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (95)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1901

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&lt;210&gt; 1902

&lt;211&gt; 1807

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature



1186

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1184)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1902

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ccgcgtc 1807
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&lt;210&gt; 1903

&lt;211&gt; 2810

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1903

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1187

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&lt;210&gt; 1904

&lt;211&gt; 4039

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1904

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1188

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1190

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3989

&lt;210&gt; 1906

&lt;211&gt; 2629

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1191

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1906

```

gacagtcacg gtccgattcc cgggtcgacc cacngtccg gggtcctcca ggcccagttg 60
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gaggcagtggt aggagaagca ggacctgagg gccctcctgg tgagcctggc ccacctggcc 180
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaac 2629

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&lt;210&gt; 1907

1192

&lt;211&gt; 1551

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (676)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1907

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gctccactgc ttctactctg ggttgggatt caggaagaca ggcacagtcc tctctgttca 60
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agaagggcag acccattctc aaagaccacc atgtccaagg tctgacagct cccactggc 180
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ttttgagaag gtcaaaagca ataccagaag taaagggaaa tatcagacaa tattttatta 540
ttttttcata gatgttctgc cacacaaaga acttgggggtg taaggataag gcaaaagctc 600
caatcccatt tttcagttct cctaggatgc accctcagg gagcctggcc agagtccga 660
ggcccgtgag cgtcantgtt tgctttatct tccatcaaag cctctgaga agtgagacct 720
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aagtaaaaga tttatatgga wttaaaaaaa aaaaaaaaaa aaaataacgt t 1551

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&lt;210&gt; 1908

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1908

```

ggcaaaactg ggggagattg ttttgcctga ggccctgggt ctgggagaag gggggctgat 60
tcctctgaaa ttgctagaag agacacaggt gaggcctaac ttgggctttc cgctaccgtc 120
ctgcaggcat tattgtcatg gcactgctgg gcatgttcaa tgtgcaccgt catggggcca 180
ttaactcagc agccatcttg ttgtatgccc tgacctgctg catctctggc tacgtgtcca 240
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agtctcttct ctgggtgagga ctttcctttc cctgggtggg ctttctggat taggaatgaa 360
gaacacattg tgggctgggt cacagtgggt tcacacmctg kaatcctagc acttggggag 420
accgaggscc gaggwttcaa tttgaggccc aaaagttttg aggacaag 468

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1193

<210> 1909  
<211> 1799  
<212> DNA  
<213> Homo sapiens

<400> 1909  
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ctccacatct atgtacaatt tctaatacca tttttgctct ggtgctgatg gtttcctgat 180  
atcaggtagg gtggagtaca gggatgcttc taccaggagt gtgattatac agccactgcc 240  
tttatctctg gctttgcctt tgtgatatgg tctatcagat gattgataaa atctatctag 300  
agtaaggata taagacaaaa taaagatact gtaattaagg ggaaagggag gctagaggac 360  
atggctcagt atccccaagt cttttattta ggatatgggt tcagctactt ctgacttgac 420  
ttaaacagtg acaaaaataac aatggcttaa acaagatagt ttatttctct tcatgtaaaa 480  
at ttggaatga caatttagtg aagggtgacaa gggcccacgc ttctgctaag gtccaggcat 540  
tcctagagtg gtatatgata gatcatatgg tataagctag atcacttcca tagccacaga 600  
gtatccagtt attaatacaa acaaatgaga agaggaaggg gagagcaagt ctttctttgt 660  
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tcgttacgta gtcagacctc gagttgcaaa ggagactgaa aaaatgcagt ttaatctgaa 780  
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<210> 1910  
<211> 1267  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)

## 1194

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1264)

<223> n equals a,t,g, or c

<400> 1910

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tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaag 180
tcccaaggag agtcatccac tttgttagtg gtgaaacaat ggaagaatat agcacagatg 240
aagacgaagt tgatggcctg gagaagaaag atgttttgcc tactgttgat ccgacaaaac 300
ttacctgggg tcctacttta tggttttaca tgcttcgggc tgctacatca actctctcag 360
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aatatgccat tgatgaatat tatcggatga agaaggagga agaagaagaa gaagaagaaa 480
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cataaaatga aatgactatc aagcttcaaa ctcttaagtt tttttttttt aatacaaaaa 720
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tatctggaaa gggaaaatgt tttcttcatt tttaggatct atctagcaaa agccagatct 840
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tgttatgcca tgcatttata tatctaacca ttaatttcac actaaggatg cttcaccata 1140
taataaaagg agcaagatgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
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cttntct 1267

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<210> 1911

<211> 554

<212> DNA

<213> Homo sapiens



1195

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (543)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (551)  
<223> n equals a,t,g, or c

<400> 1911  
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gaaattaatc aacgattctt gaagttgaag aaaagttgtt ctctctacag gaggttccag 180  
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ccgagtgcgc cccgcattncg gtcgcggacc ccatcggcag ggagaggaat gtcgaggagg 480  
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cangaancac nctg 554

<210> 1912  
<211> 1718  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

1196

&lt;400&gt; 1912

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gcagtaacct gaagctttca ccgtagacgt gctgtattgc ccagaagcca tcrtgctcst 120
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tcttaagaaa atcaccataa atcagacatg aaaattcttg ctccaaaay agcattttct 600
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gggggcgctc taaaagatcc tccaaggggc aagcttta 1718

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&lt;210&gt; 1913

&lt;211&gt; 1975

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1913

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mcwgcgtgga tgcaactaga gagacaaatc gcctaggaag actgatcaat cacagcaaat 120
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1197

```

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atgtgagaca caatgtcttg attatacctg tttgtggtt agctttgtat ttaaayaagg 1860
aaataaactt gaaaattatt tgtcatcata aaatgaaac aaattaaaat atttattgcc 1920
aggcaaaaaa aaaaaaaaaa aagttttggc ccatagttag tcctttacaa gtcga 1975

```

&lt;210&gt; 1914

&lt;211&gt; 508

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1914

```

gtacaagatg acggagccgg gcgcctctcc cgaggaccct tgggtcaagg tggagtatgc 60
ctacagcgac aacagcctgg accccgggct tttttagaa agcaccgcga aggggagtgt 120
agtgtccaga gctaatagca tcggttcac cagtgcctct tctgtcccca acacagatga 180
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caaagccatc gttctacaaa agaccattga ctacattcag tttttgcaca aggagaagaa 420
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tgaactatga rcagattgtg aaggcaca 508

```

&lt;210&gt; 1915

&lt;211&gt; 2885

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1198

&lt;400&gt; 1915

```

gggcacgagc ggctgctggc tcctcctcgt ccttgctctc gtcctacttg tgagcccccg 60
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cgtgggacgg cttagatcc gggccctggc tacacctggc cacacacaag gccatctggt 600
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1199

<210> 1916  
<211> 3008  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2235)  
<223> n equals a,t,g, or c

<400> 1916  
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tcatttcact tatattggct tcagcttgcg atttctctac tgtaagtggg gagaattgat 120  
cagatagtta aggaagggtcc ttagataatg cagtatactt attaacatac agacatcaag 180  
aagcagaaat atatagacat cttccttttt ggttctaata gggcttcgtg ggacacatat 240  
gcaacatgcc tatgattttt acaagcctga tatgctatct gaatactcta tagtagatgg 300  
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ggtagattat gctgaacaac agtgagatgt tattggaggt gtggatgagg gagtttgttg 2040  
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## 1200

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ctcgtgcc 3008

<210> 1917

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1917

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gcggttgcta tcgcttcgca gaacctactc aggcagccag ctgagaagag ttgagggaaa 120  
gtgctgctgc tgggtctgca gacgcgatgg ataacgtgca gccgaaaata aaacatcgcc 180  
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cattgacagt tgggtggagg gtgtttgcac ttgtgacagc agtatgctgt cttgccgacg 360  
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tgcataaaaa aaaagaagtt ttgtaatttt atattacttt ttagtttgat actaagtatt 480  
aaacatattt ctgtattctt ccaaaaaaaaa aaanaaactg gagggggggcc cgtacccaat 540  
cgccgtatat gatcgtaa 558

<210> 1918

<211> 1819

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1763)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1778)

<223> n equals a,t,g, or c

<220>

1201

&lt;221&gt; misc feature

&lt;222&gt; (1797)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1918

```
gtctattagc ttttacctca aaattttaag ccagaactat catctttggt tttttatttt 60
ctatctttta acatttatct gtgaagtgac aaatggccta cagctgtgag agcaaattgga 120
catctcctcc tgaactctga gaagatgtca aaatccacag gcaacttcct cactttgacc 180
caagctattg acaaattttc agcagatgga atgctgttgg ctctggctga tgctgggtgac 240
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gccagcactt tcaatgatag agtttttgcc agtgaattga atgcaggaat tataaaaaca 420
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aattcgcttg agctagaaca catagaagtc aagtttgcct ccgaagcaga agataaaatc 1140
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gttaattttg ggcttgggc 1819
```

&lt;210&gt; 1919

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (526)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (554)

&lt;223&gt; n equals a,t,g, or c

## 1202

&lt;400&gt; 1919

```
ggcaaaacca cttgcgcccc gactcaatga acttgtcata ctccacggac atcttgcagc 60
agagggcctg acgagtgcgc accgcgcgagc agttgggtgtt gatgacacgg tcgccgccct 120
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tttgaagttg ctttgtggcc atactttatt gtagtttkgg gatacagcta atgagtattt 480
ggsttttatt ctgattttat agtctgatta tttgggtcaa atcggnttag taggttaa 540
gagatgattt agtnggttaa ctcacttagg tttttaa 577
```

&lt;210&gt; 1920

&lt;211&gt; 2115

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (240)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1342)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1920

```
cagcaacgga ataaacgtgc aacatacgag cggatgatcca cagatgggtg cccatctctt 60
ctttgatttg ccctttattg cctaaccagc caaaaccagt nggcactacg gaatttttac 120
caaaatcaaa gatgcggctg gtttcctgtt ccagccaacg gttgtggctt aggggtgttaa 180
accatttcat tccttttatc ctcacttag cggcgtttag ccatcatttc gtcgaccan 240
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gaaattctgc caccttggtt ctcctgctc atgaggctgc accttttgct cttgctgcta 420
attgccatt cgtagtgggt gtaatgccag gtggaatggt ttcaacaagt cagggtgaaa 480
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caagaagaat ggagaagggg gcagccaaga agaacttctg gggttcagggt actgtttatt 660
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agccctttgt gttaagcaag aactacagac tccatctttt cacccaaadc atgaatgacc 780
aataaaaagc aagttattcc agaggaagaa gcagcccttg aaatgttaag gcttaggctt 840
gaaagggtgaa gagcaggaat tctctcttcc aaatcctaga gcataaacc atgtgtggcc 900
aagtgagatc agccctcaag ggcacatgcc aagggcagag cagcccatgt agacagcttc 960
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## 1203

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&lt;210&gt; 1921

&lt;211&gt; 3953

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (618)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (626)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1921

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1204

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1205

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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1989)  
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1206

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 <213> Homo sapiens

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<210> 1924  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (289)  
 <223> n equals a,t,g, or c

<400> 1924  
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## 1207

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&lt;210&gt; 1925

&lt;211&gt; 3911

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1925

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1208

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aggatcagggt tgatgataat acctctaaaa atatgcaata ataaaacaat agttatgaaa 3240
gaaacttgaa aggtttgcaa ggtttctcct atccctgtta aaattatcat ttattatctc 3300
tttgtcagt ttagtaagggt aacccatgac agaataattt gagtgatagt tcatcatgca 3360
gaggatatga tcaagatatt acctaatgggt tttatcctga aaaagggtgta tacttttagg 3420
gcactgttaa caatgcgagt gaaaccaaga tgggtgcaagt tccctttgca gatggcgtgg 3480
gcacacttga tttttattat gagtgaatgt aatctttctg tattttacca gagttacagc 3540
aattacctga aaagtctcct aacattttaa taatgttagg gatttcgttt tggttttagt 3600
tgtcctcaag agacaacagg ttcacagtaa tttccatgat gttgggtgtg gctaagctgg 3660
ggattgggtc tgttccccct gctcccggtg agagaaaagc tatatttata ctgcattctt 3720
tctcaacttt caggtaaaac aaactatgat ttaaaaaaar aaaaaagaaa agacagggtac 3780
ttttacttca aagagtgtct tgytacattt ttatttaaac caaaaatcaa ataaaataag 3840
gaggggggct ggggtatact taaacaaaac cagtcctgaa atgctgttay tctcaaagtm 3900
cattccaaaa a
3911

```

&lt;210&gt; 1926

&lt;211&gt; 1041

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

1209

&lt;400&gt; 1926

```
aaaagtnaaa aggaaacaac gggtagacctt aattcaaata ttcctaccac catagctaca 60
aaataaaaaa aactaattca acaaattgtac ttatytaacc caatatatcc caacaattat 120
tgcagcacat aatcaatata aacattatat atatgaacta tttgacacta tttgacattt 180
cttcttccac atccagtgtg tctgacattt agcgacattt tgatttgcac tcacccactt 240
tgaggagctc aattgccgct taagtccgtg gctagtggct gccctaaagt tcagcaccgc 300
cacggagctt tgggtccacc cggactgtaa aaaggaagca cttccgtagg catgacccgg 360
cctgaagtag cggcggaacg gaagtcgctt gtgtatgaac gcagcggcgg acctgtgagg 420
ggatccgact tgccggcaga acttacgctg cgggaccccg ggcactgttg ctgctgcggg 480
agactgtggg ctgttttagtg ccatgcaccc ttacagtggt gtccccaag tgcagaggtc 540
tctggggtgg ggaccattgg cctctgtgtc ttggctgtcg ctgaggatgt gcagggcaca 600
cagcagcttc tctagtacca tgtgtcccag tccagagagg caggaggatg gagctcggaa 660
ggatttcagc tccaggctgg ctgctggacc gacttttcaa cattttttta aaagtgcctc 720
agctcctcag gagaagctgt cttcagaagt ggaagacca cctccctatc tcatgatgga 780
tgaacttctt ggaaggcaga gaaaagtcta cctcgagacc tatggctgcc agatgaatgt 840
gaatgacaca gagatagcct ggtccatctt acagaagagt ggctacctgc ggaccagtaa 900
cctccaagag gcagatgtga ttctcctgkc acrtgctcta tcagggagaa rgctgagcag 960
accatctgga accgttacay agsttaaagc ttgaaacaag cggcccgyc cgggttccty 1020
gaggatggaa ttaggttgat g 1041
```

&lt;210&gt; 1927

&lt;211&gt; 2310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2309)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1927

```
tttttttttt tctgttcaaa aaagggtttta tccaaaaaag ttaatcaaga caagcaacag 60
atactgcaaa gcattatata cagcaccata gtccaggggc caaagaaatc aggaggggct 120
gggcagtaga ggaattccat atattaatga atgtgagatt aagtatagag tgaagacatt 180
aacacacaat tctaatttct gtttaggcaga atgctccctt accctgatgc cacagccttt 240
cacgtttcct aaaccctagt aacctctgat ctccatctgc ctcatcaaca cgtcaccacc 300
ctttgtctct cttccaatta gtcacatgtt ggctgaattt atttcaactc agtacttttag 360
gaccttgaca gacaaatcga ttacaaggtc aattcccagg atttcttcag ggtgtgttca 420
ggagtgcaga tgttcttttg atgacctttc tactaaatta gacctctgaa ggagaaagct 480
acttgccaga ggctttccct gagagcatta ggttgggcaa aatctgacta aaatttaatt 540
```

## 1210

```
actaaatgaa agtgtgtacc ttagagttcc tggccagagt tgactctagg tagtgatgtg 600
atcttcttgg gatgttttcc taaatattct tttatgctaa agcacatggc ttgatacttc 660
tggttgattaa gctcgtgtct acttacagtc atctagttag aacctgtggt gtggtgagat 720
gataacttgg tctttggtct tcatcatttg aactagtttt ggttttgtct tgtcccttcc 780
ttgagcattt tgtgtgtgtt taatcctatt tggtaaacga accactgtga aagaccaagt 840
tggagaaaaac agaacacccc caaaacattt attttttttt ttagaaaatc atgggtcact 900
atggtagtat acaatattgt tttcacacat gtacacttga aaccaaattt cccataatcc 960
cctacatccc tactctcatc actcagctta cacagaagct attagctgtt agtaagaacc 1020
caagcaaacc tcactttaat cactacatgt ttgaagcaat atgtttatcc ataagaataa 1080
cttgcaaagc taaccctgct gctgtgttaa attttgagga ggctttgttt ttggtgttta 1140
ctgaaatctt acaaaatgat gtgcaagaat ttattccata cgtctttcaa gtgatgtctt 1200
tgcttctgga aacacacaaa aatgacatcc cgtcttccca tatggcctta tttcctcatc 1260
tccttcagcc agtgcttttg gaaagaacag gaaatattcc tgctctagtg aggtctcttc 1320
aagcattctt agaacgcggt tcaaacacaa tagcaagtgc tgcagctgac aaaattcctg 1380
ggttactagg tgtctttcag aagctgattg catccaaagc aaatgaccac caagggtttt 1440
atcttctaaa cagtataata gagcacatgc ctctgaatc agttgaccaa tataggaaac 1500
aaatcttcat tctgctattc cagagacttc agaattccaa aacaaccaag tttatcaaga 1560
gttttttagt ctttattaat ttgtattgca taaaatatgg ggacttagca ctacaagaaa 1620
tatttgatgg tatacaacca aaaatgtttg gaatggtttt ggaaaaaatt attattcctg 1680
aaatcagaa ggtatctgga aatgtagaga aaaagatctg tgcggttggc ataaccaaat 1740
tactaacaga atgtccccc aatgatggaca ctgagtatac caaactgtgg actccattat 1800
tacagtcttt gattggctct tttgagttac ccgaagatga taccattcct gatgaggaac 1860
atcttattga catagaagat acaccaggat atcagactgc cttctcacag ttggcatttg 1920
ctgggaaaaa agagcatgat cctgtaggtc aaatgggtgaa taaccccaaa attcacctgg 1980
cacagtcaat tcacaagttg tctaccgctt gtccaggaag ggttccatca atggtgagca 2040
ccagcctgaa tgcagaagcg ctccagatc tccaagggtg ccttcaggca gccagtgtga 2100
cactgcttta aactgcattt ttctaattgg cttaaaccag atggtttcct aggaaatcac 2160
aggcttctga gcacagctgc attaaaacaa aggaagttyt ccttttgaac ttgtcacgaa 2220
ttccatcttg taaaggatat taaatgttgc tttaacctga aaaaaaaaaa aaaaaagggt 2280
sggccggacc caatttnccc taaangggng 2310
```

&lt;210&gt; 1928

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1928

```
gtgctgccgc ctcccgtcgc ccctgcgctc agaggtcccg aaccagccca gccgctgcct 60
cttgccgctc cgccttttga gtgaggaggg cgcagcccg ctcagaactt agagggccag 120
gcagggtcgc gcgcattggc tgggcggggt cgcggcggtg cccagctggg acgcgcgcgg 180
cagccgagcg ctgctgccgg ctctcgctca gccggggcgc gcaaccggcc cgcgccaggc 240
cctctgcacc gccgcgacca atgaggtttc tgacctctc carcctctc ttgcctcggg 300
ctgcccagat cttggcggst gargctggct taccttcgas ccgttcctty atgggatttg 360
ctgctccctt caccaacaag cgaaaggctt actcggagcg tagaatcatg ggggtactcaa 420
t 421
```

&lt;210&gt; 1929

&lt;211&gt; 1283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



## 1211

&lt;400&gt; 1929

```

gcacggcgca gtgaatacaa gaaaggggca ctattttaac acaacctttt cccgtgatca 60
ccaccgaaaa ttactgacga gtcaatcacc tcagatctct caagcagtcg agcctacgca 120
acagtactcc acctctgcgc ctgtgcgggg agggtaaggc ggggccagca acttcctcag 180
ctggaggggag agcgcacggt ggagccgcca gttgagaagg actctgatcc ggctcagctt 240
tccaatcagc tgcggaagga gccacgcttt cgggggttgc aagatggcgg ccaccagtg 300
aactgatgag cgggtttccg gggagttggg gtctgtggca catgcgcttt ctctcccagc 360
agagtcgtat ggcaacgatc ctgacattga gatggcttgg gccatgagag caatgcagca 420
tgctgaagtc tattacaagc tgatttcacg agttgaccca cagttcctga aactcaccaa 480
agtagatgac caaatttact ctgagttccg gaaaaatttt gagaccctta ggatagatgt 540
gttggaacca gaagaactca agtcagaatc agccaaagag aagtggaggc cattctgctt 600
gaagtttaat gggattgttg aagacttcaa ctatggtact ttgctgcgac tagattgttc 660
tcagggctac actgaggaaa acaccatctt tgccccagg atacaattct ttgccattga 720
aattgctcgg aaccgggaag gctataacaa agctgtttat atcagtgttc aggacaaaga 780
aggagagaaa ggagtcaaca atggaggaga aaaaagagct gacagtggag aagaagagaa 840
caccaagaat ggaggagaga aaggagctga tagtggagaa gaaaaagagg aaggaatcaa 900
cagagaagac aaaactgaca aaggaggaga aaaagggaaa gaagctgaca aagaaatcaa 960
caaaagtggg gaaaaagcta tgtaagggtat acagggaaca gcactctaga agctatgact 1020
caattgagac tacaagtacc acggtgctac ttgcacagac ccctttgggt aaatgtaaat 1080
tcttgtacaa ttgaaggata cgcagaagga catctttcta gtctaacagt caggagctgc 1140
tctggtcatt cccttgtatg aactggtcta aagactgtta gtggggtgtt agttgatttt 1200
tcctgggtata ctgtttcttg gctgacacta ctgggtcaagt aagaaatttg taaataaatt 1260
tcttttgggt cttattatct aaa 1283

```

&lt;210&gt; 1930

&lt;211&gt; 762

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (512)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (597)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (649)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (667)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1930

```

gaatgatcag tatacaagat acagtatttt ctagaaaaac tgtctctgat tctggacaaa 60

```

## 1212

```

gctcagttat agttacgaga aagatatggt acaggaggga aaatactgcc tttttttttt 120
ttttaaaagag atttttcagac taaatagaaa tgtcaaaatg atgtatcaat ggttcttttt 180
tagaacaagt tttcaaagca taaaaagagg ttgagagaaa taacatatatt attgattcac 240
ataagtatgt ttttcttcat taatcgtctg gagaaaccca cttgtcatta atttggtttg 300
ggctagggttt tcaaacttac caaattgctt taaaaaagca atttggaagg taatttgata 360
ggctttccaa cttaacccaa tttttttattg taattcttgg atagtatttt tgtctttttc 420
aattcatttg tctttttcag tatagttttt gttaaggcaa atgtcttccc ttaatatcca 480
aatattgcta ataaacggta gaagatgctt tnggaaatta aaattatctc gctgktggtt 540
agacttaaca ctgktaatct tyagccaaat atcacatatg gatcaaatta ttttctnttt 600
tggtgtttac ctatcctcaa caacattttt agtttaaatt attgtaaana tttttttgtg 660
ggtggtgnatt tttatttgct ccaaaataat aagggtgcaa ctattttatg cttaactggt 720
gctctgtcaa aacactatgc atggattgca ttgaaaaaa aa 762

```

&lt;210&gt; 1931

&lt;211&gt; 1633

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1605)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1606)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1618)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1931

```

tgcctctnat tttaggctga ggccgtccaa agcggccatg ccccatgttt ccactagatg 60
gcgctgacac ttcaggcatc aaccctcatg gcctctcagc cttgcaaagg cagccactta 120
aagtcggtgt cctgtgtggg gcaccaagct gagctgcaga caccagtag gcgcgaggca 180
aatgcgtccc attttaagag gcttgatatt atgagctctt tgcttcctcc ctcccactaw 240
ctttaaagaa ttgctctcca tctccttttg caaagttcct ttgcccttg tcttattttt 300
gtgaaacctc caaggtattt ccagtcattt tgcattccaa ctggcatctt tacggagagc 360
ggtctcatat gctattgttg ttaacgtgga ctagtattta tgtgttgaga aactggctg 420
tttgtmagga aaagtgtgcc aaaacaaaga gtacggccgg ccctggaaat gcatcagcaa 480
aaccattttc ccccggtcac tcattctgag ctctcttctt tcatttctgt cattactgct 540
gagaactgga ctgtgccag ctgacctttc ccttccttgc cctcatcttg ctgccagggt 600
ctgcagggtt gccaccgtcc cggccccagt ctgaaacatg ggattatttc agaattggag 660
gtggcagctt cagaaaaaaa tccttctcgt gtgttgactg ctgagatcca ggaactggga 720

```

## 1213

```

aatcaacccc cagttttagt attgctctct ttggaaattc tgtggcccaa cctcgtggct 780
gttttctgga attccttcta tcggggcaga cagtgtgtgt ctttcttga cttcaggatg 840
ttccaaggat gctgctggat ctgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc 900
gtgctgctgt gtatgtgcgc ctgaccctga tttctgcaac ctccagattt ctttcttgac 960
ccttcaaagt ggaacagtc agtgccaaaa attttagagt ttgagaaggt cacagaaatc 1020
ctctagttag tgccctccaca gtcttcattt tacagaggaa ctcagggcta atggagttaa 1080
tgcaactaga tcagggtttt ggggtctgtgt tctttctacc gtcagcacct gtgtgggtcaa 1140
ttctggacac ttcccagaga agtctttgag tagagaatcc tactcaaatt tcaactgtata 1200
ttttaagcat tcctctcctt tccctttgcc tccctgttg ccttttcttc ccttgatttc 1260
tcctctggtc atctctctct ccttctgcgt gtaagccatg ggaaagggt gagggaggac 1320
agcttctggt taaacacagg tccctcttcc acatcaaatg aacattggct tcctgggaca 1380
gaaggccttc aaaggaggga ttgcaaagca aggcaaagcg ttctgtcttc attttcccca 1440
tccccatgag acaagactga tggaaagggt ggtggggcaa cactgcttaa tggatgcctt 1500
ttcacatcat ttcagttttt agccctcatg actgtatttt ctaatcagag acaataacat 1560
tttaaataaa acaacgacaa agaaaaaaaa aaaaaaaagg gggcnncctt caaaggancc 1620
aacctttctt acg 1633

```

&lt;210&gt; 1932

&lt;211&gt; 1126

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1932

```

ttcgtttagg tcggctggaa attatgtcct ccgtcgggtt tccgcagttt ttccaccaag 60
cgagatattt ttgggagtta ttccctaaat aactgcatta tatgtctcct tcatgacgaa 120
attgctgccg tggagaagac tggaggaaac tcgaggaaga gggagaagcc gacaagtgtc 180
cgacgggcta ggaactgtcc tgcttgggtg ttagcgtttc ccgycgggccc agtaaggctg 240
agtgasccgg cgtggctact aggagaagga cgtacgggtc tgctagtaga ggaatatgtc 300
gagtttctct agggcgcccc agcaatgggc cacttttgct agaatatggt atctcttaga 360
tgggaaaatg cagccacctg gcaaacttgc tgctatggca tctataagac ttcagggtatt 420
acataaacct gtgtaccatg cactgagtga ctgtggggat catgttggtt taatgaacac 480
aagacacatt gcattttctg gaaacaaatg ggaacaaaaa gtatactctt cgcatactgg 540
ctaccaggtt ggatttagac aagtaacagc tgctcagctt cacctgaggg atccagtggc 600
aattgtaaaa ctagctattt atggcatgct gccaaaaaac cttcacagaa gaacaatgat 660
ggaaagggtt catctttttc cagatgagta tattccagaa gatattctta agaatttagt 720
agaggagctt cctcaaccac gaaaaatacc taaacgtcta gatgagtaca cacaagaaga 780
aatagacgcc ttccaagat tgtggactcc acctgaagat tatcggctat aagagaataa 840
gaattgcaga aaataacagt gaagtgattg aaactttctt ctgatgagtt tctctaacct 900
acaggatgga gtaaaacaac tgctacagtt cagcacctgt ttatgtgcc gaatcactgt 960
ggggaaagggt caggaagggt tagtccttca ataggaaatt gtaattaaaa tataatttta 1020
tagaaccatt tttatgtaat ctgatttgaa tgttatagtt gataataata aaatcactta 1080
cttggttgac tatttagtgt tgcatttaat gataaaaaac agaccc 1126

```

&lt;210&gt; 1933

&lt;211&gt; 1797

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

1214

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1933

```
attctcaaaa gagtattaca ggcgtgacac cactcttggc ccagcctgtg ggttttgatg 60
gggatgtcctt ggctgctgtc ttggaggcac agtgtctccc catgtgtgtg tttcttggcc 120
cagagtgact cccagtattc ctagtccttc cccacaggat agtcacatcc attatttact 180
tttgttgtca gctgggaggg gaaactgaag cctggacacg tctccccaag ggctcagtgt 240
tcatgggtgt gtaagatcca ttgactggac cccagaaaagc accctgaggg gcagtgcaga 300
gagagcccag gaagcccctc cactagagga ggcccttggc ctggctgagg accacgtcac 360
cctgggcctc cagsetgnct tttcacatta aaggcggggc agtctcctct caaaggagtt 420
ctcccttgag cactttgggc tctggggcag agttgggcta ggagatctgg gtgaatcctt 480
tagtcacagc tagtctcatg ttctcttct gtcaaagggg tcatggcccc agtgtgtcct 540
acctcagagt tgtcagggtc aaagtaacag gcactgggac aaatatgaag cctagctttg 600
tgcttccttt caaattcagg gcctcctttc tactccattc cagccttttt ttctgtcag 660
aatccctcag gaaggacctt tatcttctgg agtgagtggc agttccactg gggttcagtga 720
aagagtcgcc catggggctc tgttccccag gagtcccttg tattttgggtg aacaaattct 780
taccaaagca tgagattcgg actgtagaag ttcagactgc ctcagttcag actgcctcat 840
ggggcagtc tggaggtcagc tggcttctgg tgtctctcat cacaccactg cggacgctgt 900
ctgtagagca gccttgggtg ggggtgactc gaagctggag tgatgggacc ccagctatcc 960
ttgtttttta ccgccttgtc tggcactgtg accacgcttc agggctgctt ctgggggtct 1020
tggtccctgg atgtgccatt tccttgccct tctgaccctc acacttcttc caaagtcttg 1080
agcagagttg ggggccaatg gtagcattgc tgtcatctct gggaggagag tgagtataca 1140
agtcagtgc agttcagcca ggctcccttg ggtttgggaa gaggcactgc ccttctgtgc 1200
tgtggatcct gcttgtctgc tctggagtc cccaccctt gccaggagct tcacaaacca 1260
gagacgggct gtcagcaaga gctcagacag gatgtggtgc aagtgcaggc gcacgagttt 1320
aaccctcagc tgcaggagct agtctcaggc gttctgggga tgcctcaggc taagaatttt 1380
gccgactttc tgggcttggc tggctaattgc caaatgcccc tgcttaaata tcacaagggtg 1440
ctgattctcc ttttttcttt ttttcatacc aatgtgtcct aactttgagc taggtcttgt 1500
gagtttgctt agcactcaga cctgtttaag taacgttctt tacattgaaa caagtcaacc 1560
gaagctttgt ggtgcaggag ctgagggtgc cccagactca gtgggagccc tgggtgggcc 1620
ccaaactctc ccagcagggt cctcggtttc ctcatttgtg aaataaatga gtgggccacg 1680
acgttaataa gcccaagaga actgtgaagg tggtagtccc ttgccctaata tgggtgctcaa 1740
taaagttggt ggcataaacg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1797
```

&lt;210&gt; 1934

&lt;211&gt; 337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1215

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1934

```

ttcagggtgac actcatagaa ggtacgcctg cagggtaccgg tccgraattc ccgggtcgac 60
ccacgcgtcc gcacattagc aacaatgtac attaatTTTtg gattttcatt ttcattgttt 120
attttgtaaa tattatctga tgtttggagc ttgagtatac agactgtaaa tatagtTctt 180
gtatttgtac taattctgat tcttttgctg tatagcctta gatgtgcaat gcagacacta 240
tctaactgtg tgtggtaacc ttgcgtcacg gagctgttag tgaacgaggt aaaaataata 300
aaggtagacg cagtngcatc aaaaaaaaaa anaanaa 337

```

&lt;210&gt; 1935

&lt;211&gt; 1330

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1935

```

gctgcgctcg gctgagtcag tcagtctgtc ggagtctgtc ctcgagcag gcggagtaaa 60
gggacttgag cgagccagtt gccggattat tctatttccc ctccctctct cccgccccgt 120
atctcttttc acccttctcc caccctcgct cgcgtagcca tggcgagcgc tcggcgggcca 180
ctcagtccca ttccatctcc tcgtcgtcct tcggagccga gccgtccgcg cccggcgggcg 240
gcgggagccc aggagcctgc cccgccctgg ggacgaagag ctgcagctcc tctgtgctgg 300
tgcacgatct gattttctgg agagatgtga agaagactgg gtttgtcttt ggcaccacgc 360
tgateatgct gctttccctg gcagctttca gtgtcatcag tgtggtttct tacctcatcc 420
tggctcttct ctctgtcacc atcagcttca ggatctacaa gtccgtcatc caagctgtac 480
agaagtcaga agaaggccat ccattcaaa cctacctgga cgtagacatt actctgtcct 540
cagaagcttt ccataattac atgaatgctg ccatggtgca catcaacagg gccctgaaac 600
tcattattcg tctctttctg gtagaagatc tggttgactc cttgaagctg gctgtcttca 660
tgtggctgat gacctatgtt ggtgctgttt ttaacggaat cacccttcta attcttgctg 720
aactgctcat tttcagtgtc ccgattgtct atgagaagta caagaccag attgatcact 780
atgttggcat cgcccagat cagaccaagt caattgttga aaagatccaa gcaaaactcc 840
ctggaatcgc caaaaaaaag gcagaataag tacatggaaa ccagaaatgc aacagttact 900
aaaacacccat ttaatagtta taacgtcgtt acttggtacta tgaaggaaaa tactcagtgt 960
cagcttgagc ctgcattcca agcttttttt ttaatttggg gttttctccc atcctttccc 1020
ttaaccctc agtatcaagc acaaaaattg atggactgat aaaagaacta tcttagaact 1080
cagaagaaga aagaatcawa ttcataggat aagtcaatac cttaatgggt gtagagcctt 1140
tacctgtagc ttgaaagggg aaagattgga ggtaagagag aaaatgaaag aacacctctg 1200
ggtccttctg tccagttttc agcactagtc ttactcagct atccattata gttttgccct 1260
taagaagtca tgattaactt atgaaaaaat tatttgggga caggagtgtg ataccttctt 1320
tggttttttc 1330

```

&lt;210&gt; 1936

&lt;211&gt; 678

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1936

```

ccggcagggtg acaacggcaa catggccctg aacggagctg aagtcgacga cttctcctgg 60
gagccccga ctgaggcgga gacgaagggt ctgcaggcgc gacgggagcg gcaagatcgc 120
atctcccggc tcatggcgga ctatctgctg cgcggttacc gcatgctggg cgagacgtgt 180
gcggactgcg ggacgatcct cctccaagac aaacagcgga aaatctactg cgtggcttgt 240

```

## 1216

```

caggaactcg actcagacgt ggataaagat aatccccgctc tgaatgcccc ggctgccctc 300
tcccaagctc gggagcacca gctggcctca gcctcagagc tccccctggg ctctcgacct 360
gcgccccagc cccagctacc tcgtccggag cactgtgagg gagctgcagc aggactcaag 420
gcagcccagg ggccacctgc tcctgctgtg cctccaaata cagatgtcat ggctgcaca 480
cagacagccc tcttgacagaa gctgacctgg gcctctgctg aactgggctc tagcacctcc 540
ctggagacta gcatccagct gtgtggcctt atccgcgcac gtgcggaggc cctgcgcagc 600
ctgcagcagc tacagcacta agagaagccc ctgagaaaaa ccctctagaa aaacaaaaaa 660
aaaaaaaaa aaaaaaaaaa                                     678

```

&lt;210&gt; 1937

&lt;211&gt; 2428

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2422)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1937

```

ccgccgcccc cgctggggcc gcgtcccccc tctcccgtct cctccctccc tgetccaact 60
cctcctcctt ctccatgcct ctgttcctcc tgetcttact tgtcctgctc ctgctgctcg 120
aggacgctgg agcccagcaa ggtgatggat gtggacacac tgtactaggc cctgagagtg 180
gaacccttac atccataaac taccacacaga cctatcccaa cagcactgtt tgtgaatggg 240
agatccgtgt aaagatggga gagagagtgc gcatcaaatt tggtgacttt gacattgaag 300
attctgattc ttgtcacttt aattacttga gaatttataa tgggaattgga gtcagcagaa 360
ctgaaatagg caaatactgt ggtctggggg tgcaaatgaa ccattcaatt gaatcaaaag 420
gcaatgaaat cacattgctg ttcatgagtg gaatccatgt ttctggacgc ggatttttgg 480
cctcatactc tgttatagat aaacaagatc taattacttg tttggacact gcatccaatt 540
ttttggaacc tgagttcagt aagtactgcc cagctgggtg tctgcttocy tttgctgaga 600
tatctggaac aattcctcat ggatatagag attcctcgcc attgtgcatg gctgggtgtg 660
atgcaggagt agtgtcaaac acgttgggag gccaaatcag tgttgtaatt agtaaaggta 720
tyccctatta tgaaagttct ttggctaaca acgtcacatc tgtgggtggga cacttatcta 780
caagtctttt tacattttaag acaagtggat gttatggaac actgggggat gagtctggtg 840
tgatcgcgga tcctcaaata acagcatcat ctgtgctgga gtggactgac cacacagggc 900
aagagaacag ttggaaaccc aaaaaagcca ggctgaaaaa acctggaccs ccttgggctg 960
cttttgccac tgatgaatac cagtggttac aaatagattt gaataaggaa aagaaaaata 1020
caggcattat aaccactgga atcaccatgg tggagcacia ttactatgtg tctgcctaca 1080
gaatcctgta cagtgatgat gggcagaaat ggactgtgta cagagagcct ggtgtggagc 1140
aagataagat atttcaagga aacaaagatt atcaccagga tgtgcgtaat amctttttgc 1200
caccaattat tgcacgtttt attagagtga atcctaccca atggcagcag aaaattgcca 1260
tgaaaatgga gctgctcgga tgtcagttta ttctaaagg tcgtcctcca aaacttactc 1320
aacctccacc tcctcggaac agcaatgacc tcaaaaacac tacagcccct ccaaaaatag 1380
ccaaaggctg tgccccaaaa ttacgcaac cactacaacc tcgcagtagc aatgaatttc 1440
ctgcacagac agaacaacaa actgccagtc ctgatatcag aaatactacc gtaactccaa 1500
atgtaaccaa agatgtagcg ctggctgcag ttcttgtccc tgtgctggtc atggtcctca 1560
ctactctcat tctcatatta gtgtgtgctt ggcactggag aaacagaaag aaaaaaactg 1620
aaggcaccta tgaattacct tactgggacc gggcaggtaa ctcacgtggc ctttgcattc 1680
catttctatc agagggatgt cgctccccta cagggggcag tagtgaaaaa agagtcattc 1740
tctggcccag gtgaactccc cgacactgtt agaacaatgg cattactctt cagttctcac 1800
catttttacc cttctgcaaa gtctcttgta attcctaagt aatgaaatga aaagtacaaa 1860

```

1217

```

tttcttaaaa caagctctgt tctttttctt ctggaaaact tgtgtagttt gtccctgtgta 1920
tctgtttctc atgaggagac cggctttctg tggcccacgt gaacactgag taagaaacaa 1980
aagactgtgg tctccaggac acagtgtgtg tttgtcctct gccatggta ttcaccaagt 2040
ggagtccagc agtttaggaa tcgggaggtc tcccatgatg agttgtcatc ttctgaattg 2100
ctgcaagtga caccaaagg gccccctac cagtttctca cttcccagtc tcactactgg 2160
atcagctctt aggagccagg agagttcact gctgtggcta ggatagaaaa gggcagctag 2220
tgccccaggg tagatcttgg aaaatatatt ttgggaaaaa tgtaattaag gccacccta 2280
aaatagatac tgtatctggc tgtactatac taacagtgat ttgcctgcat gtgtttgata 2340
gagatttcta ccatgtactg cttggtgctg gatagtctat cacagcaara aaaaaaaaaa 2400
aaaaaactcg agggggggcc cngtacct 2428

```

&lt;210&gt; 1938

&lt;211&gt; 922

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (849)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (893)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (909)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1938

```

gtancngaca gtcacggctg gattccccgg togaccacg cgtccggtcc gcagtgacta 60
cactcatggc aggtcccctg tggcggaccg cagcatttgt gcagagacac aggcaggccc 120
tcttggtggg ttctgtgca ggcctgtttg gagttccagt ctctgtaccac ctcttccccg 180
atcccggtgg ccaatggctc taccagtact ggctcaggg ccaccagct ccgtcccctc 240
cacagctgca gagcctcttc caagagggtc tacaggacat aggtgttcct tcaggccatt 300
gtacaagcc cttcaccacc ttcaccttc agcctgtgag tgcaggcttc ccaagactcc 360
ctgctggggc tgtggtgggc atccctgcc gtttcttggg agacctagt atcaacacta 420
accatcccgt ggtcatacat gggcatacag tggamtkgc gagccagcar gcgcccggct 480
gagagcttcc ctgaccttgt cccgtgaagc ccagaagttc gccttgcca gggaaagtgg 540

```

1218

```
gtacctggaa agcagtagca ctgccgtgca cgcctgtctg gccccagctt gcctggcagg 600
gacctgggca ctgggcgtgg gtgccaagta caccctgggg ctccatgcag gcccacatgaa 660
tttacgggct gccttcagct tgggtggcagc agtggcaggc tttgtggcct acgccttctc 720
ccaggattct ctactcatg ccgtggagtc ctggctggac cgcgcacgg cytccctctc 780
tgcagcctat gcctgtgggt gagtggagtt ctatgagaag cttctgtcgg gcaacctggc 840
cctgcgcant ctctttgggc aaaagaaggg ggagaagctg tatacaccca acngggaaca 900
tcgtcccca gacacttggt cc 922
```

&lt;210&gt; 1939

&lt;211&gt; 756

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1939

```
tcccnacccc tcttccccct actttgcctt accccctcac ccctcaagac agatgcccc 60
ttgcctttta aaaagttgga ttttaaccga cgtgtttagt ggttcttggc ctgtgtgaag 120
gcagagacca gagagaagga agtgagcca ctgctctcct gggagcaatg tgggtgagtc 180
caccagaggc cctgctgtgt gtggccaata aattttagtc tccccagcc ctcgaggcag 240
tgtgtgtgga tgtatgcgtg tggatattta tatatgtacc ctgcactcat gaatgtatga 300
actggaggaa gttactacag tggaagggtt ctttaataaca aggtctacct agcatgaagt 360
atttaacatt ctcccatccc ttaaaaaata tacattttta taaaatgaaa accataataa 420
atgttttgaa tattaataaaa aataataacc tacagaggaa aattaatgga gacagctatt 480
tgctttgtac tttttccaca attgttgcgt ctagtgtgac acatctctag ttcagctctt 540
gccacggga cactcatcaa ttaggtttta tttttawttc tttcctctac cccagaaac 600
aagcctgtta atttttttcc ttctcctctg gsgactgtgt gatgaaycct tycttgctgt 660
atcaggttgc ggataractt gtaagggkgt ttgtgcata cagkgtwagc attgtgaccg 720
ccaataaact tcaatggttt ctaaaaaaaaa aaaaaa 756
```

&lt;210&gt; 1940

&lt;211&gt; 1884

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1940

```
aggctgatta tttactgtct agaatggatg ttaccagctg catctcttac cgaaattttg 60
caagttgtat gggagactcc cgtttgttga ataaggttga tgcttatatt caggagcatt 120
tgttacaaat ttctgaagag gaggagtttc ttaagcttcc aaggctaaag ttggaggtaa 180
tgcttgaaga taatgtttgc ttgccagca atggcaaatt atatacaaag gtaatcaact 240
gggtgcagcg takcatctgg gagaatggag acagtctggw wgwgtgatg gaagaggttc 300
aaaccttgta ctactcagct gatcacaagc tgcttgatgg gaacctacta gatggacagg 360
ctgaggtgtt tggcagtgat gatgaccaca ttcagtttgt gcagaaaaag ccaccacgtg 420
agaatggcca taagcagata agtagcagtt caactggatg tctctcttct ccaaagtcta 480
cagtacaaag ccctaagcat gagtggaaaa tcgttgcttc agaaaagact tcaaataaca 540
cttacttgtg cctggctgtg ctggatggta tattctgtgt catttttctt catgggagaa 600
acagcccaca gagctcacca acaagtactc caaaactaag taagagttta agctttgaga 660
tgcaacaaga tgagctaata gaaaagccca tgtctcctat gcagtacgca cgatctggtc 720
```



## 1219

```

tgggaacagc agagatgaat ggcaaactca tagctgcagg tggctataac agagaggaat 780
gtcttcgaac agtcgaatgc tataatccac atacagatca ctggtccttt cttgctccca 840
tgagaacacc aagagcccga tttcaaattg ctgtactcat gggccagctc tatgtggtag 900
gtggatcaaa tggccactca gatgacctga gttgtggaga gatgtatgat tcaaacatag 960
atgactggat tcctgttcca gaattgagaa ctaaccgttg taatgcagga gtgtgtgctc 1020
tgaatggaaa gttatacatc gttggtggct ctgatccata tggtaaaaaa ggactgaaaa 1080
attgtgatgt atttgatcct gtaacaaagt tgtggacaag ctgtgccctt cttaacattc 1140
ggagacacca gtctgcagtc tgtgagcttg gtggttattt gtacataatc ggaggtgcag 1200
aatcttgga tttgtctgaac acagtagaac gatacaatcc tgaaaaataat acctggactt 1260
taattgcacc catgaatgtg gctaggcgag gagctggagt ggctgttctt aatggaaaac 1320
tgtttgatg tggtggtctt gatggttctc atgccatcag ttgtgtggaa atgtatgatc 1380
caactagaaa tgaatggaag atgatgggaa atatgacttc accaaggagc aatgctggga 1440
ttgcaactgt agggaacacc atttatgcag tgggaggatt cgatggcaat gaatttctga 1500
atacggtgga agtctataac cttgagtcaa atgaatggag cccctataca aagattttcc 1560
agttttaaca aatttaagac cctctcaaac taacaggctt agtgatgtaa ttatggttag 1620
yagaggtaca cttgtgaata aagaggggtg gtgggtatag atgttgctaa cagcaacaca 1680
aagcttttgc atattgcata ctattaaaca tgctgtacat actttttggg tttatttgga 1740
aaggaatgca aagatgaagg tctgttttgt gtacttttaa gactttgggt attttacttt 1800
ttggaaaaga ataaaccaag aattgattgg gcacatcaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaagggcgg ccgctcaaga gtat                                     1884

```

&lt;210&gt; 1941

&lt;211&gt; 2731

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1629)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1941

```

aaggcgtctg gagtttaatg ttacttggtg atatgagact tncattcttn caggtggaag 60
atgagctcag ctccccagtg gtgggtgttca gatttttcca ggaattacca ggctcagatc 120
cgggtgtttaa agcgcgtcca gtgccaaca tgacaccttc aggagtcggc cgggagaggc 180
actcgtgtga cgcgctgaat cgctggctgg gagaacagct gaagcagctg gtgcctgcaa 240
gcggcctcac agtcatggat ctggaagctg agggcacgtg tttgcggttc agccctttga 300
tgaccgcagc agtttttagga actcggggag aggatgtgga tcagctcgta gcctgcatag 360
aaagcaaact gccagtgtctg tgctgtacgc tccagttgcg tgaagagttc aagcaggaag 420
tggaagcaac agcaggtctc ctatatgttg atgaccctaa ctggtctgga ataggggttg 480
tcaggatatga acatgctaata gatgataaga gcagtttgaa atcagatccc gaaggggaaa 540

```

1220

```
acatccatgc tggactcctg aagaagttaa atgaactgga atctgacctt accttttaaaa 600
taggccctga gtataagagc atgaagagct gcctttatgt cggcatggcg agcgacaacg 660
tcgatgctgc tgagctcgtg gagaccattg cggccacagc ccgggagata gaggagaact 720
cgaggcttct ggaaaacatg acagaagtgg ttcggaaagg cattcaggaa gctcaagtgg 780
agctgcagaa ggcaagtga gaaacggcttc tggaagaggg ggtggttcgg cagatccctg 840
tagtgggctc cgtgctgaat tggttttctc cggtcaggc tttacagaag ggaagaactt 900
ttaacttgac agcaggctct ctggagtcca cagaacccat atatgtctac aaagcacaag 960
gtgcaggagt cacgctgcct ccaacgccct cgggcagtcg caccaagcag aggcttccag 1020
gccagaagcc ttttaaaagg tccctgcgag gttcagatgc tttgagttag accagctcag 1080
tcagtcacat tgaagactta gaaaagggtg agcgctatc cagtgggccg gagcagatca 1140
ccctcgaggc cagcagcact gagggacacc caggggctcc cagccctcag cacaccgacc 1200
agaccgaggc cttccagaaa ggggtcccac acccagaaga tgaccactca caggtagaag 1260
gaccggagag cttaatatga gactcattgt gtggtttgag actgtactga gtattgtttc 1320
aggggaagat aagttctatt ggaaatgtga actgtgccac atactaatat aaattactgt 1380
tgtttgtgct tcaactggat tttggcaca atagtgcct gaaaggtagg ctttctagga 1440
ggggagtcag cttgtctaac ttcattgtaca tgtagaacca catgtttgct gtcctactac 1500
gacttttccc taagttacca taaacacatt ttattcaca aaaacacttc gaatttcaag 1560
tgtctaccag tagcaccctt gctctttcta aacataagcc taagtatatg aggttgcccg 1620
tggcaactnt tttggtaaaa cagcttttca ttagcactct ccagggttctc tgcaacactt 1680
cacagaggcg agactggctg tatectttgc tgtcggctct tagtacgac aagttgcaat 1740
atacagtggg actgctagac ttgaaggaga gcagtattg tgggattgta aataagagca 1800
tcagaagccc tccccagcta ctgctcttcg tggagactta gtaaggactg tgtctacttg 1860
agctgtggca aggctgctgt ctgggactgt cctctgccac aaggccattt ctcccattat 1920
ataccgtttg taaagagaaa ctgtaaagtc tctcctgac catatatatt taaatactgg 1980
caaagctttt aaaattggca cacaagtaca gactgtgctc atttctgttt agtatctgaa 2040
aacctgatag atgctaccct taagagcttg ctcttccgtg tgctacgtag caccacactg 2100
gttaaaatct gaaaacaagt acccctttga cctgtctccc actgaagctt ctactgccct 2160
ggcagctcgc ctgggcccac ctcagaaaca ggagccagca gagcactctc tcacgctgat 2220
ccagccgggc accctgctta agtcagtaga agctcgctgg cactgcccgt tcctactttt 2280
ccgaagtact gcgtcacttt gtcgtaagta atggcccctg tgccctctta atccagcagt 2340
caagcttttg ggagacctga aaatgggaaa attcactctg ggtttctgga ctgtagtatt 2400
ggaagcctta gttatagtat attaagccta taattatact ctgatttgat gggatttttg 2460
acattttacac ttgtcaaaat gcaggggggt ttttttggtg cagatgatta aacagtcttc 2520
cctatttggg gcaatgaagt atagcagata aaatggggga ggggtaaatt atcaccttca 2580
agaaaattac atgtttttat atatatttgg aattgtttaa ttggttttgc tgaaacattt 2640
cacccttgag atattatttg aatgttgggt tcaataaagg ttcttgaaat tgttaaaaaa 2700
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2731
```

&lt;210&gt; 1942

&lt;211&gt; 749

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (239)

## 1221

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<400> 1942

```
ctggagtaag gtcgtgcgga cgacgcgncc tgggaggata aggatgaatt tttagatgtg 60
atctactggg tccgacagat cattgctgtg gtccctgggtg tcatttgggg agttttgccca 120
ttacgaggggt tcttggaat agcagggtaa gtcttggtg tcttatattt tcatgggtatc 180
atttcttttt aaatagaggc tttttttcct gttacaggaa aggccattgc tgctctggna 240
gctgtgtgtg tgtgtratga ctaaagcaaa gaagcagccc tacagtggca ctccctgggtc 300
tggtgcacca ctctcagga gcatctcara ttctgcctga tcaatgcagg agtctgttac 360
ctctacttca gcaattacct acagattgat gaggaagawt atggtggcac gtgggagctc 420
acgarggaag ggtttatgac cycttttgcc ttgttcaggc cattggatca tcttttacac 480
tgccatccat tagnactgat ggtgtacagc tcccaatgct ccctatccag tccaaaggac 540
cctcttggtat tacagcacag gaacttggtat cgttggggaa cccagcccct tgggaacttg 600
gaagaccctgt gtttccggga ccgcgaatca gtgtgttggg gcatcagtgt tttctgacaa 660
gggttgtgac ctggaaactt tttaaaaacc acccaccttt gggggaagca tttctggaat 720
tatccatcac caaccattct tcttgggat 749
```

<210> 1943

<211> 1222

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1183)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1186)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1217)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1219)

<223> n equals a,t,g, or c

1222

&lt;400&gt; 1943

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ccctagaccc cgactccctt tggctcagcc cgcgcgcccc agggccggcc cgggcggcgc 180
gacgggagga tgagcggcgg gcggcggaag gaggagccgc ctcagccgca gctggccaac 240
ggggccctca aagtctccgt ctggagtaag gtgctgcgga gcgacgcggc ctgggaggat 300
aaggatgaat ttttagatgt gatctactgg ttccgacaga tcattgctgt ggtcctgggt 360
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gagaaaaaaa aaaaaaaaaa rccggccgct ctagagggat cccaagctta cgtacgcgtg 1140
ccatgccaac ggcataagct tcttttatag ggggcaccta aantcnaatt cactgggccg 1200
cgtttttaca acggcnngna ct

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&lt;210&gt; 1944

&lt;211&gt; 2786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1944

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ggtggtcggc ggcgggcgcg gcggcgcgcg cggcacagag ccggtggtgg agccgccgag 60
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acccgaagac aggaaagctg aggacttcac cagcgctgca ccccgagcag aaggcagacc 180
ggtattttgt gttatacaaa ccgcccccta aagacaacat tcccgccta gtggaggagt 240
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ataaattctg gtgccagggtg atctttgacg agactctaca gaagtgcctg gactcctacc 360
tgcgctatgt ccccgcaaa ttcgacgagg ggggtggcctc agcccctgag gttgttgaca 420
tgcagaagcg cctccatcga agtggttttc tcaccttct cgcgatgtcc actcacaagg 480
aatccaaaga tcaacttcatt tccccttctg cgtttgaga aatcctctac aataacttcc 540
tctttgacat tccaaagatc ctggacctct gcgtgctctt tggaaaaggc aactcaccac 600
tgctccagaa gatgatagga aacatcttta cacagcagcc aagttactac agtgacctgg 660
atgaaaccct gcctaccatc cttcagggtct tcagcaatat cctccagcac tgtggtttgc 720
aaggggacgg ggccaatacc acaccccaga agcttgagga gaggggcca ttgaccccca 780
gtgacatgcc tctcctggaa ttaaaggaca ttgttctcta cctttgtgat acctgcacca 840
cactttgggc ctttctggat atcttccctt tggcttgcca gaccttccag aagcacgact 900
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## 1223

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tcctccaggc agtcgagagt gcatgggaag ggggtggacag acggaaagcc acagatgcta 1320
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cagccgcggc tgtgggcccct gccatgtgtg ggggtggaact ggactctctc atctcccaag 1500
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cgcccaaac ctcgggccac aagacaccac ttcccttta ccctggacag caggaaacct 2700
gtatattcaa aaacacaaaa agtctgtcta ataaaatttt tgaccctttc aaaaaaaaaa 2760
aaaaaaaaaa aaaaaaaaaa aaaaaa 2786

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&lt;210&gt; 1945

&lt;211&gt; 1483

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1478)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1945

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aattcggcac gagccgggct ctaccagag caagaccctg atggctgcgg tgtttctggt 60
aacgctttat gaatactcgc cgcttttcta catcgcggtg gtctttacct gcttcacgt 120
gaccaccggc ctggtattgg gatggtttgg ttgggatgtt ccagtaattc tgagaaattc 180
agaagagacc cagttcagca caagagtttt caaaaagcaa atgagacaag tcaagaatcc 240
ttttggctta gagatcacta atccatcttc agcttcaatt acaactggca taaccttgac 300
aacagattgc cttgaagata gcctccttac atgctactgg gggtgagtg ttcaaaaatt 360
atatgaagct ctgcagaagc atgtttattg cttcagaata agcactcccc aagcattaga 420
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1224

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agaagaaata tattgccagt taccaagaga tactaaaatt gaagactttg gtacagtacc 540
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ttatgatatt atttccatgg tgtcagtgat tcatattcct gataggactt ataaactatc 660
ctgcagaata ttgtatcaat atttactctt ggctcaaggc caatttcacg atcttaagca 720
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&lt;210&gt; 1946

&lt;211&gt; 1587

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1946

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tatgttctag tatgatattg cacttctgaa tattattttg gatttccccct ttcattgcta 480
ttttgttctg aatcctaatt aatagagggt gctggactca gggtaaaagc aggatgaact 540
ggagatggga catacaaggc acttttggaa ttgccataga ttacacctat aatcagagta 600
aatgtcatca acaataatc aaaatatatt ttacatttgc tcttctaaaa tcagagccta 660
ttttaaatat aaaagaaagt agatgtgata ataataaaa ctacagtcac attaatgtga 720
tattaaattc aaaatctaac atagatttgc actgttgggt gtgtgttccg aatcagtggg 780
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aaatatatca tattttgcta tgattttgtg tgtacatgta ataaaattat taagtataaa 1560
aaaaaaaaa aaaaaaaaaa aaaaaaa 1587

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1225

<210> 1947  
 <211> 2007  
 <212> DNA  
 <213> Homo sapiens

<400> 1947  
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 gtatatgaca ttaagaagca agcgtgggtt acttacaatg acctggagggt atcaaaaatc 180  
 caagaggctg ccgtgcagag tgatcgagat cggagtggct acatcttctt ttatatgcac 240  
 aaggagatct ttgatgagct gctggaaaca gaaaagaact ctcagtcact tagcacggaa 300  
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 cgtagaatgc tccatgctat tttatggaaa ctttgggtct acatccgtag ctgattatcc 540  
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 tggagaagaa atgaaggtgt caaagagtcc attcacctga gaaatgtgtg aagacatact 780  
 tatcagttgg cttttagctt ttatgttctt tgagtgttt cactcaagtc tgtaaccttt 840  
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 aagaaatgga ttgttggtgc tttggaatat gttacagtcc cacatttgat atttcttata 1080  
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 tattatggtg gtaaagatag aatctttttt cttttttgtc attctgscat ggagcagcat 1200  
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 catagggagg ataagaagag tgktctcttg gtaaagctaa aattctggac cactgaagct 1380  
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 gtgctctgag ttgaggcaaa gtagagcggc aacattaagt gctatgctag tcacttagct 1620  
 gacgtaacca gcttggttaa gcagcttatg aaacatata aagaattctt ttgaggatgg 1680  
 aattctgtcc acaaaataat tttgtgagcc cagatatcat taggatcaca cagagttaaa 1740  
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 aacatttaaa aaccaccatc cacatgagag aatcacttga acccaggagg cagaggttgc 1920  
 agtgagctga gatcgcatca ttgcaactga gtctgagtga cagagtgaga ctccatctca 1980  
 ttaaaaaaaaa aaaaaaaaaa actcgag 2007

<210> 1948  
 <211> 1250  
 <212> DNA  
 <213> Homo sapiens

<400> 1948  
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 gcacaccag aggtccctt ctcgccgcg cctgcaactg cgagggtagc ccggggccgc 120  
 ttggagtcgc ccggacctga gaggtgctg cactgggcct cagccagccc tccggatgct 180

1226

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ggtgctgcca tccccctgcc ctcagcctct ggcattttcc tccgttgaga ccatggaggg 240
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ccagaaaaag tgctacagct gccccgtgtg ctcaaggggc ttcgagtaca tgtcctacct 480
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gagagcctga ggctggtggt cagggccctg gacacagaca cagagcagcc gcattctaaa 900
ggcagagccc tgctgaagg aggaatccgt gagtaatctt caggctctcc gtgttctgga 960
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&lt;210&gt; 1949

&lt;211&gt; 2154

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (635)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2150)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2152)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1949

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gtttatttat ttatttatTT tagaaataag agcctgggtg acaagagtga gactctgtct 60
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atgcaggccc agttctgctg ctctgctggt tgttctgctt tcctccacat attggcatca 180
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ctgtctacaa gttctgcaat aaaccttgac tcttctttta ataatgcaaa aggaatcgaa 600
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1227

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gcaggggaagg agacagagag agtagaatcc agccaccgga aaaatccaga atagctggct 720
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tgtttaaggg acggtgacaa gagtgaagct ctgtctycaa aaaaaaaaa tnaa 2154
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&lt;210&gt; 1950

&lt;211&gt; 652

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (502)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (522)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (525)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

1228

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (599)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (630)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1950

```

agacaggtga gcgacgaact tctgagacag cagttgtgtc cctgtggcct tgggtgcgcct 60
gtgtgcactt tctccctcca cctggagcat gggctaacac cggaggaaaag gaaaagacag 120
agtcagacag ggagcctggg gaggggccat ggtgccaatg cacttactgg ggagactgga 180
gaagccgctt ctctcctgt gctgcgcctc ctctctactg gggctggcct tgctgggcat 240
aaagacggac atcaccccg ttgcttattt ctttctcaca ttgggtggct tcttcttgtt 300
tgcttatctc ctggtccggt ttctggaatg ggggcttcgg tccagctcc aatcaatgca 360
gactkagagc ccagggycct caggcaatgc acgggacaat gaagcctttg aagtgccagt 420
ctatgaagag gccgtggtgg gactagaatc ccagtgccgc cccaagagtt ggaccaacca 480
ccccctaca gcaactggtg gngatacccc cagcaccctg anganggaac aacctagccc 540
attccagaag ggggtccaggn agaagccaaa actgggaaca gaggccgaat gggccttana 600
aggggggtccc atgggcccga ggaagggaan cccctgggaa gaacttccaa at 652

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&lt;210&gt; 1951

&lt;211&gt; 469

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1951

```

gaagtgggag aggtcgcagc cccgccttct ctacacagga aagctcagtg gcccccaagc 60
caggatgtcc caagcttggg tccccggcct cgcgccacc ttgctgttca gcctgctggc 120
tgcccccaa aagattgcag ccaaattgtg tctcatcctt gcctgcccc aaggattcaa 180
atgctgtggt gacagctgct gccaggagaa cgagctcttc cctggccccg tgaggatctt 240
cgctcatcatc ttcttggtca tctgtccgt cttttgcatc tgtggcctgg ctaagtgtt 300
ctgtgcgaac tgcagagagc cggagccaga caccagtg gattgccggg ggccccctgga 360
actgccctcc atcatcccc cagagagggt gattctgaag cccagcytgg gccaaaytccc 420
acagagccaa cccctcccta cagttcangc ctgaagaata tancgggga 469

```

&lt;210&gt; 1952

&lt;211&gt; 755

&lt;212&gt; DNA

1229

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (648)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1952

```

cgatgtctta ttgtgatgag tctcgactgt caaatcttct tcggaggatc acccggaar 60
acgacmgaga cygaagattg gyyactgtaa agcagttgaa agaatttatt cagcaaccag 120
aaaaataagct ggtactagtt aaacaattgg atatcttggc tgctgyacat gatgtgctta 180
atgaaagtag caaattgctt caggagttga gacaggaggg agcttgctgt ctyggccttc 240
tttgtgcttc tctgagctat gaggctgaga agatcttcaa gtggattttt agcaaattta 300
gctcatctgc aaaagatgaa gttaaactcc tctacttatg tgccacctac aaagcactag 360
agactgtagg agaaaagaaa gccttttcat ctgtaatgca gcttgtaatg accagcctgc 420
agtcaattct tgaaaatgtg gataaccag aattgctttg caaatgtgtt aagtgcattc 480
ttttggtggc tcgatgttac cctcatattt tcagcrctaa ttttagggat acagttgrta 540
tattagttgg atggcataga gatcactc agaaaccttc gtcacgcag cagtatctg 600
ggtggttgca gagtttgagg ccattttggg tagctgatct tgcatttntc acgmctctwc 660
ttgggtcagt ttctagaaga catggaagca tatgctgagg accycagcca tgtggcctct 720
ggggaatcag tggatgaaga cgtccctcct ccatt 755

```

&lt;210&gt; 1953

&lt;211&gt; 1022

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1953

```

cggactgggt ctccgtggga ggggcctggg tctggagagc agggcagggt ctctggggcc 60
taggggatgg ggatggggct ggggtctcaga ggaggcaggg ttacgtgca gaagagcgga 120
cttgggtctcc ggggtcccga gtgggtgacg cggcccgcga cagggtgcttc ctgaaggtag 180
gccggctgga ggcacaactg ctctgggagc gctaccccga gtgcgggaac ctgctgctgc 240
ggcccagcgg ggacggcgcc gacggygtgt cggtcaccac gcggcagatg cacaacggga 300
cgcacgtggg ccggcattac aagggtgaagc gggaggggccc caagtacgtg atcgatgtgg 360
aacagccgtt ctcttgacac tccctggacg ccgtggtcaa ctatttcgtg tcgcatacca 420
aaaaggcgct ggtgccattc ctgttagacg aggactacga gaagggtgcta ggctacgtgg 480
aagccgataa ggagaatggc gagaatgtgt ggggtggcgcc ctccgctccg ggcccagggtc 540
ctgcaccctg cacaggtggc cccaagccgc tgtcacctgc gtctagccag gacaagctgc 600
ccccactgcc cccactaccg aaccaggaag agaactacgt gacccccatt ggagatggcc 660
cagctgttga ctatgagaac caagatgtgg ctctcttag ttggccagtc atcctgaagc 720
caaagaagtt gccaaagcct cctgccaaagc ttccaaagcc acccggttga cccaagccag 780
agcccaaagt ctttaatggg ggcttgggca ggaagctgcc agtcagttca gccagcctc 840
tcttccccac agccgggctg gcagacatga cggcagagct acagaagaag ctggagaaga 900
ggcgggcact ggagcactga ttcggacaca ccaggggacca gcgggctagt cccagggcat 960
gccagcggc cagattcttt tcccaggat taaaactctg accccaggaa aaaaaaaaaa 1020
aa 1022

```

&lt;210&gt; 1954

&lt;211&gt; 1776

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1230

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1954

```
atcatatagg caanggtanc ngacagtacg gtcggaytcc csggtcgacc cacgcggctg 60
gaaggaactg gtctgctcac acttgctggc ttgcgcatca ggactggctt tatctcctga 120
ctcacggtgc aaaggtgcac tctgcgaacg ttaagtccgt ccccgagcgt tggaatccta 180
cggcccccac agccggatcc cctcagcctt ccaggtcctc aactcccgcg gacgctgaac 240
aatggcctcc atggggctac aggtaatggg catcgcgctg gccgtcctgg gctggctggc 300
cgtcatgctg tgctgcgcgc tgcccatgtg gcgctgacg gccttcacgc gcagcaacat 360
tgtcacctcg cagaccatct gggagggcct atggatgaac tgcgtggtgc agagcaccgg 420
ccagatgcag tgcaaggtgt acgactcgct gctggcactg ccgcaggacc tgcaggcggc 480
ccgcgccttc gtcacatca gcatcatcgt ggctgctctg ggcgtgctgc tgtccgtggt 540
gggggggcaag tgtaccaact gcctggagga tgaaagcgcc aaggccaaga ccatgatcgt 600
ggcgggctgt gtgttcctgt tggccggcct tatggtgata gtgccgggtgt cctggacggc 660
ccacaacatc atccaagact tctacaatcc gctggtggcc tccgggcaga agcgggagat 720
gggtgcctcg ctctacgtcg gctgggcccgc ctccggcctg ctgtccttg gccgggggct 780
gctttgctgc aactgtccac ccgcacaga caagccttac tccgccaagt attctgctgc 840
ccgctctgct gctgccagca actacgtgta aggtgccacg gctccactct gttcctctct 900
gctttgttct tccttgact gagctcagcg caggctgtga ccccgaggag gccctgccac 960
gggccactgg ctgctgggga ctggggactg ggcagagact gagccaggca ggaaggcagc 1020
agccttcagc ctctctggcc cactcggaca acttcccaag gccgcctcct gctagcaaga 1080
acagagtcca ccctcctctg gatattgggg agggacggaa gtgacagggg gtggtggtgg 1140
agtggggagc tggcttctgc tggccaggat ggcttaacct tgactttggg atctgcctgc 1200
atcgggtgtg gccactgtcc ccatttacat tttccctact ctgtctgcct gcatctcctc 1260
tgttgccggg aggccttgat atcacctctg ggactgtgcc ttgctcaccg aaaccgcgc 1320
ccaggagtat ggctgaggcc ttgccacccc acctgcctgg gaagtgcaga gtggatggac 1380
gggttttagag gggaggggag aaggtgctgt aaacagggtt ggcagtggt gggggagggg 1440
gccagagagg cggtcaggt tgcacagctc tgtggcctca ggactctctg cctcaccgc 1500
ttcagcccag gggccctgga gactgatccc ctctgagtcc tctgcccctt ccaaggacac 1560
taatgagcct gggaggggtg cagggaggag gggacagctt cacccttgga agtcctgggg 1620
tttttctctt tcttctttt tggtttctgt tttgtaattt aagaagagct attcatcact 1680
gtaattatta ttattttcta caataaatgg gacctgtgca caggaaaaaa aaaaaaaaaa 1740
aaaaaaaaaa aaaaaaaaaa aaaaaagggc ggccgc 1776
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&lt;210&gt; 1955

&lt;211&gt; 1129

&lt;212&gt; DNA

## 1231

&lt;213&gt; Homo sapiens

&lt;400&gt; 1955

```

gcccctgtca cgcttctctg tgcccacggt tctgacctgg tgctgccact gttgtcagtc 60
cctgggcctg agtccttggt tggacaggaa tggacccaaa gaatgggtgtt ggtatgtggg 120
tgggtcccact cgctttgggtc agtgggcttc tgggtccccc tttccctcac cggccctgtg 180
tgggtggaga ggcgtgagca ccctatctca gctgctattc gggcatgatg ctttgtagag 240
ggtagagtag acagccccct cccctactca ccatgggtatt tctccttgaa ttcctctttc 300
ttgttttctt tcctggttgt gtgaaccagt tgctgctgtc ataccctgg cagggccagg 360
ggacctctct ttggtcatct ctgtcctttc actggctgct gcccaggaa gactcctcta 420
ggctctccat ctttcccttg agagctggct cccacccca acctgctcag gcaccacaga 480
ggatctaggt ctctggctcc ccatacctgg acccatgg gtgggtgcct gttgcatgtt 540
taagagagag gggctgtgag gtgacagggc actagggcct tcactccttt cccccctcc 600
atcctttctt taccagtgcc acccatgtcc ctagctcccg ggtattgggg ctgaggctct 660
ggggcctgtc tcctgccag cgtgagggca agacccaga gccttagctg agcaagccca 720
gaggggcagc gtggccctc cctccctttt tctgccccg tcccatgcct cagcttgctg 780
cttgtgccag ttgctgttt cgcttcagt tttgattcta gcacttacat gtgtcctccc 840
caccaagccc tctatctct tctaactctt caacctctgg cccctcccc gtaacagtga 900
cttttccagg gaggaagagg cagcaggagc tgttggcctt ggtttgaca gagcgggtag 960
ggctgtaggg aaagcgggtg agctgttgtg ctgctgggcc tccctttggc cctcgttcc 1020
cacctacga tgtatgaaat gtatgtacag accagagatg tttatacagc cgataaagat 1080
ggagtttccg tatttatcag taaaaaaaa aaaaaaaaa aaactcgag 1129

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&lt;210&gt; 1956

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1956

```

gagaaaaggg accaaaagtt attttagctt cctcaataga ttgcatgttg cttattagga 60
taataaatta atattaaatg caatatatgt cttgtcttta ttatggcatc tatttaggag 120
ttgttcaaat cactgcagta gggctctgca aataaaataa tgtaacctat tatcatggat 180
ctaatgtact gtaactttat cagtgaagg taaaatctca aataacaagt acaaacattg 240
aacaattacc tataaagatt tgtaaaagta aaaaaaaaa 279

```

&lt;210&gt; 1957

&lt;211&gt; 923

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1957

```

tttatcatct tattttgaac ctggtgtaga ttacagtaaa gcaaaccatt cagtgtgttc 60
caggaaatta tattagatct gtgtttctat cagctcactg gaataatctg ataattgtta 120
cttttacttg gtatggctgc aagaatagtg gaaagaagag gacttgagag ttggtcgaac 180
ccaggtttga aatctggctt agtcattttt cagctgttat cctgggtgag ttttgccaac 240
tttcttagct tcatttccct cattaatacg gtgggacata acagctactc ttgcattgaa 300
aattaagtta grttacctgt ctagcatacc catcatcata cacttactat ggtcacattt 360
tgtattttaa ataaactaat acgaaaaata tttctttttt ttacacaga attatgattc 420
tcacagggtg tataaattac tgattagaat tatttatatg tggccaattc ttaatgkcat 480
tgggaakgct gttycatttc aaycctcaaa gttactgtag cacagaaaat atcacaattt 540
cctgcaggga cattatcagt aagtyckgca gggacaaaac aattgacatt aaaaatcagt 600

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## 1232

```
actctgcaat tgtcactggt atyatctgct agaaactytg cataatgcat tttaaaccac 660
caaggetggc tgccacatcc atgtgaaatg cttgaatttt atgggtgctta aatatttaat 720
gattcatggg aaaaatgtga aatgtgtcta ataaattgca tccctttctc taacctctgg 780
ttgtaaagtt aaagactttc agcatgtaac ttttgcaaga tgcttgggtc gccattggca 840
cttaaatatt tgttgtatta cgatttataa tatggttcac tatatataaa attctgtgat 900
gasttccaaa aacaaaaaaa aaa 923
```

&lt;210&gt; 1958

&lt;211&gt; 1757

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1958

```
agtttggaga ccaccgcgaa traagtttgc attttctctc gttcttgagc ccagcttctt 60
ctcgtctccc accccagctt cccggcattg gaagaaggga ccgctctctt ccttgtcttg 120
gccacccaaa tcttggtatc gaaaggggtg aacggaccgg aagtgtgcag cagcgacggg 180
tccccagcta atcgacgcgg gaagtagcaa ttactagaca agcattccgc cgccggcttc 240
gctatggcgg caattccccc agattcctgg cagccacca acgtttactt ggagaccagc 300
atgggaatca ttgtgctgga gctgtactgg aagcatgctc caaagacctg taagaacttt 360
gctgagttgg ctcgtcgagg ttactacaat ggcacaaaat tccacagaat tatcaaagac 420
ttcatgatcc aaggagggtg cccaacaggg acaggctcag gtggtgcac tatctatggc 480
aaacagtttg aagatgaact tcatccagac ttgaaattca cgggggctgg aattctcgca 540
atggccaatg cggggccaga taccaatggc agccagttct ttgtgaccct cgccccacc 600
cagtggcttg acggcaaaca caccattttt ggccgagtg gtcagggcac aggaatggtg 660
aatcgctggg gaatggtaga acaaaactcc caggaccgcc ctgtggacga cgtgaagatc 720
attaaggcat acccttcttg gtagacttgc taccctcttg agcagctctt ctgagatggc 780
ccagtgaaac cagcttctag atgacataga atgacatgta atgctaaatt cattttggct 840
ttgcaagtca tgaagcttag gaggcctggc atcttgggtg agttagagat ggaagtacat 900
tttaatagga tgcttctttt ctcttcccc agtgccctag ttgccagagc atttgcacaa 960
atgcccctgt ttatcaatag gtgactactt actacacatg aaccataatg ctgcttcttg 1020
tgcatgtctg ctctgatata cgtcgaacaa tgtagcagcc actgtcattt ctcagtgggt 1080
ttgcctaacc aaacttcttc ctaaggagat ttatatctg gcctacacag cagtccctga 1140
tggtgacag ccacagaatt ccaaaccaag tagtgtctgt cagccctctt aactctgtgc 1200
acgccctatt tcagtctttt acatttgttc ttctagggaa tgtatgcac tctatatata 1260
ttttccctct caaaaccaga acatcaacag tgctgtttct gacacttcag acatcccacg 1320
caaagccaca ttgaattttt gccaaatgaa aaacacatcc aacaatcaag tttctaagaa 1380
ggtgtcaagt ggggaataat aataatgtat aataatcaag aaattagttt attaaaagga 1440
agcagaagca ttgaccattt tttcccagag aagaggagaa atctgtagtg agcaaaggac 1500
agaccatgaa tcttccttga gaagtagtac tctcagaaag gagaagcgcc actcaagttc 1560
ttttaacca agacttttaga gaaattaggt ccaagatttt tatatgttca gttgtttatg 1620
tataaaaata actttctgga ttttgtgggg aggagcagga gaggaaggaa gttaatacct 1680
atgtaataca tagaaacttc cacaataaaa tgccattgat gggtgaaaaa aaaaaaaaaa 1740
aaaaaaaaa aaaaaaa 1757
```

&lt;210&gt; 1959

&lt;211&gt; 2856

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1959

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agcaagtatt ggtgatgtga cctgttcacg cagggaaact tgaacattcg caggtacacc 60
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1233

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agaggatcgc ttcctggcag aatttgggag ctgtttattg cagcactggt gtccctctga 120
tgatgttaca gtggtttatc aaaatgggtt acctgtgata tctgtgaggc taccatcccg 180
gcgtgaacgc tgtcagttca cactcaagcc tatctytgac tctgttggtg tattttttacg 240
acaactgcaa gaagaggatc ggggaattga cagagttgct atctattcac cagatggtgt 300
tcgcgttgct gcttcaacag gaatagacct cctcctcctt gatgacttta agctggtcat 360
taatgactta acataccacg tacgaccacc aaaaagagac ctcttaagtc atgaaaatgc 420
agcaacgctg aatggatgta aagacattgg tccagcaact atacaccaca ctgtgcattg 480
agcagcacca gttaacaag gaaagggagc ttattgaaag actagaggat ctcaaagagc 540
agctggctcc cctggaaaag gtacgaattg agattagcag aaaagctgag aagaggacca 600
ctttggtgct atggggtggc cttgcctaca tggccacaca gtttggcatt ttggcccggc 660
ttacctggtg ggaatatcc tgggacatca tggagccagt aacatacttc atcacttatg 720
gaagtgccat ggcaatgtat gcataattttg taatgacacg ccaggaatat gtttatccag 780
aagccagaga cagacaatac ttactatttt tccataaagg agccaaaaag tcacgttttg 840
acctagagaa atacaatcaa ctcaaggatg caattgctca ggcagaaatg gaccttaaga 900
gactgagaga cccattacaa gtacatctgc ctctccgaca aattggtgaa aaagattgat 960
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ttgcagggtg aagctgggag ccatgtgggg ggtagagcgt ttttaccttt aattataaaa 1080
caaaaacaga aaggatctga ggggaagaagg gaatgttaaa acctgaggat caggcattgt 1140
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tgaaaatgat gcagttatat agttgagaga ttcataaaga gaaaacaatg ctgggggtgt 1260
tcgtttcttg catcttcttt gcagagtcag caaaagagta acacaccagc acccactcg 1320
actctatttg tttttaattt aactgtccct atttttgaca taggagtaaa taaatatact 1380
agaaaagcaa attctcatga tatgctwaaa tatcattagc atttatttta aattggaccc 1440
artctctgca gagttaccag gaatctttcc ttcagcaty cctttactga ccacctamct 1500
gkacctcttg gktacactca tttttttcat ttgawaattg gaaccaactt ataactggtt 1560
aataattgca ctttagatta tctcttaata cttctttaa tgtctatata tcccagtgtc 1620
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aatcaggaag atgtaagggt tacaaattgg ctaagaatca tggctctgta gccatttcaa 1860
ccagaataat tttattgcta atctgctttg tgtgacagca ttccaggcca gccagatggg 1920
actgccttgt ctggaggctt tgttcatctc gaaggacaca cacttccaca ctgttttgtg 1980
gccctcccac ctccacaact tcagttgtaa atcaagtgtg tggatctcaa agggtgcaat 2040
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tttttcttat cttaaattga gagaaagaga attaatctta tactttgtca aaacattttc 2160
taccatattt ccagatgaca tctgcgcttg aagagtcaaa ggaatctgtg tctaatatcc 2220
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tccaggtgcc ttgcaaaggt tgaaggccag ccaggattgc tgctgctgct gctactctg 2460
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aggacatgga gaaaagttct ttaaacaat agcaaactat tgaacatgtg taaaatctg 2760
tatcatttat gaaatatgta taaaaagcaa tgtaccttct ggaacaataa atacttat 2820
aatttttgaa aaaaaaaaaa aaaaaggggc ggccgc 2856

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&lt;210&gt; 1960

&lt;211&gt; 1720

&lt;212&gt; DNA

1234

&lt;213&gt; Homo sapiens

&lt;400&gt; 1960

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ccacgcgtcc gaaactttgt gctggaatca tgataactgc atctcacaat ccaaagcagg 60
ataatggtta taaggcttat tgggataatg gagctcagat catttctcct cactgataaaag 120
ggattttctca agctattgaa gaaaatctag aaccgtggcc tcaagcttgg gacgattctt 180
taattgatag cagtccactt ctccacaatc cgagtgttc catcaataat gactactttg 240
aagaccttaa aaagtactgt ttccacagga gcgtgaacag ggagacaaag gtgaagtttg 300
tgcacacctc tgtccatggg gtgggtcata gctttgtgca gtcagctttc aaggcttttg 360
accttggttc tctgagggt gttcctgaac agaaagatcc ggatcctgag tttccaacag 420
tgaaataccc gaatcccga gaggggaaag gtgtcttgac tttgtctttt gctttggctg 480
acaaaaccaa ggccagaatt gttttagcta acgaccgga tgcctgataga cttgctgtgg 540
cagaaaagca agacagtgg gaatggaggg tgttttcagg caatgagttg ggggccctcc 600
tgggctgggtg gctttttaca tcttggaag agaagaacca ggatcgcagt gctctcaaag 660
acacgtacat gttgtccagc accgtctcct caaaaatctt gcgggccatt gccttaaagg 720
aaggttttca ttttgaggaa acattaactg gctttaagt gatgggaaac agagccaaac 780
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agtatggcta ccatattact aaagcttctt attttatctg ccatgatcaa gaaaccatta 1020
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gcaaatttga aatttctgcc attagggacc ttacaactgg ctatgatgat agccaacctg 1140
ataaaaaagc tgttcttccc actagtaaaa gcagccaaat gatcaccttc acctttgcta 1200
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cagactaaaa tagtccagcc ttgggtatac ttgcatttac ctacaattaa gctgggttta 1440
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tttacaaga cctacattcc tcattgtttc atgtttgacc tttaagggtga aaaaagaaaa 1560
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ttttgtaagt gaagattttt aaactgacta acttaaaaaa atagattgta attgatgtgc 1680
cttaatttgc ataaatcata aatgtaaaaa aaaaaaaaaa 1720

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&lt;210&gt; 1961

&lt;211&gt; 2854

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1961

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ggcaccagga gaaatcacag ggagatgtac agcaatgggg ccatTTaaga gttctgtgtt 60
catcttgatt cttcaccttc tagaaggggc cctgagtaat tcactcatc agctgaacaa 120
caatggctat gaaggcattg tcgttgcaat cgaccccaat gtgccagaag atgaaacact 180
cattcaacaa ataaaggaca tggtgacca ggcattctctg tatctgtttg aagctacagg 240
aaagcgattt tttttcaaaa atgttgccat tttgattcct gaaacatgga agacaaaggc 300
tgactatgtg agaccaaaac ttgagacctc caaaaatgct gatgttctgg ttgctgagtc 360
tactcctcca ggtaatgatg aaccctacac tgagcagatg ggcaactgtg gagagaaggg 420
tgaaaggatc cacctcactc ctgatttcat tgcaggaaaa aagtttagctg aatatggacc 480
acaaggtagg gcatttgtcc atgagtgggc tcatctacga tggggagtat ttgacgagta 540
caataatgat gagaaattct acttatccaa tggaagaata caagcagtaa gatgttcagc 600
aggattact ggtacaaatg tagtaaagaa gtgtcaggga ggcagctgtt acacccaaaag 660
atgcacattc aataaagtaa caggactcta tgaaaaagga tgtgagtttg ttctccaatc 720

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1235

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ccgccagacg gagaaggctt ctataatggt tgcacaacat gttgattcta tagttgaatt 780
ctgtacagaa caaaaccaca acaaagaagc tccaaacaag caaaatcaaa aatgcaatct 840
ccgaagcaca tgggaagtga tccgtgattc tgaggacttt aagaaaacca ctccatgatgac 900
aacacagcca ccaaattccc ccttctcatt gctgcagatt ggacaaagaa ttgtgtgttt 960
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caaaatgaca ggaggtttac agacatattg ttcagatcaa gttcagaaca atggcctcat 1440
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tccaattaca gtgacttcca aaacgaacaa ggacaccagc aaattcccca gccctctggg 1860
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gattgaatca gtgaatggaa aaacagttac cttggaacta ctggataatg gagcaggtgc 1980
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tctcttccca cctggccaaa tcaccgacct gaaggcgga attcacgggg gcagtctcat 2340
taatctgact tggacagctc ctggggatga ttatgaccat ggaacagctc acaagtatat 2400
cattcgaata agtacaagta ttcttgatct cagagacaag ttcaatgaat ctcttcaagt 2460
gaatactact gctctcatcc caaaggaagc caactctgag gaagtctttt tgtttaaacc 2520
agaaaacatt acttttgaaa atggcacaga tcttttcatt gctattcagg ctgttgataa 2580
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caacagcacc attcctggca ttcacatttt aaaaattatg tggaagtgga taggagaact 2760
gcagctgtca atagcctagg gctgaatttt tgtcagataa ataaaaataa tcattcatcc 2820
ttttttttga ttataaaaaa aaaaaaaaaa aaaa 2854

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&lt;210&gt; 1962

&lt;211&gt; 4087

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1962

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gcgggaggat gggccgccgc taggctcgca ctccggacgc gcctcgcagt gcgcagggtg 60
ggtgccccgc gcctgcagcg tccgccgggg cggcgcgggc ggaggtggcc gacaggctcc 120
aggcctcgca gcctcagccc ccggcccagc gcgctttccg acggcgggcg cgcgccgagc 180
caccgcgccg cccaaggctc ctgcggggcg ggagaacgga aaactcccaa cttcctgagt 240
tctaaagtgc ctgttgcttc agacaatgga tgagcaatca caaggaatgc aagggccacc 300
tgttcctcag ttccaaccac agaaggcctt acgaccgat atgggctata atacattagc 360
caactttcga atagaaaaga aaattggctc cggacaattt agtgaagttt atagagcagc 420
ctgtctcttg gatggagtac cagtagcttt aaaaaagtg cagatatttg atttaatgga 480

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1236

tgccaaagca	cgtgctgatt	gcatcaaaga	aatagatctt	cttaagcaac	tcaaccatcc	540
aaatgtaata	aaatattatg	catcattcat	tgaagataat	gaactaaaca	tagtttttgg	600
actagcagat	gctggcgacc	tatccagaat	gatcaagcat	tttaagaagc	aaaagagggt	660
aattcctgaa	agaactgttt	ggaagtattt	tgttcagctt	tgcagtgcac	tggaacacat	720
gcattctcga	agagtcacgc	atagagatat	aaaaccagct	aatgtgttca	ttacagccac	780
tggggtggta	aaacttggag	atcttgggct	tggccgggtt	ttcagctcaa	aaaccacagc	840
tgcacattct	ttagttggta	cgccttatta	catgtctcca	gagagaatac	atgaaaatgg	900
atacaacttc	aaatctgaca	tctggtctct	tggctgtcta	ctatatgaga	tggctgcatt	960
acaaagtcc	ttctatgggtg	acaaaatgaa	tttatactca	ctgtgtaaga	agatagaaca	1020
gtgtgactac	ccacctcttc	cttcagatca	ctattcagaa	gaactccgac	agttagttaa	1080
tatgtgcac	aaccagatc	cagagaagcg	accagacgtc	acctatgttt	atgacgtagc	1140
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caaagtaatt	gaaagtattt	tgtgcaagtc	atacctcccc	atztatgtct	ggtgttaaga	1260
ttaatatctt	agagctagtg	tgttttgaat	ccttaaccag	ttttcatata	agcttcattt	1320
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cttacagttt	tctgctgata	aattgtgttt	agatagactg	tcagtgccaa	atattgaagg	1500
tgcagcttgg	cacacatcag	aatagactca	tacctgagaa	aaagtatctg	aacatgtgac	1560
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tgaagagttt	tttgttttgt	tttaatat	ttgatatctt	ctttgcattg	aaatggtata	1860
aatgaatcca	tttaaaaagt	ggttaaggat	ttgttttagt	ggtgtgataa	taatttttaa	1920
agttgcacat	tgcccaaggc	tttttttgtg	tgtttttatt	gttgtttgta	catttgaaaa	1980
atattctttg	aataaccttg	cagtactata	tttcaatttc	tttataaatt	taagtgcatt	2040
ttaactcata	attgtacact	ataatataag	cctaagtttt	tattcataag	ttttattgaa	2100
gttctgatcg	gtcccccttc	gaaatttttt	tatatatttc	ttcaagttac	tttcttattt	2160
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ccattaatgt	catgttcatt	ttaatgta	ataattgaga	tgaaatgttc	tctggttgg	3120
acagatactc	tctttttttt	cttgcaatct	ttaaagaatac	atagatctaa	aattcattag	3180
cttgaccctt	caaagtaact	tttaagtaaa	gattaaagct	tttcttctca	gtgaatat	3240
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gaagaaacca	ctgtgtaaaa	atcaaatttt	aattttgaat	ggaataat	caaagaacta	3420
tgaagatgat	ttgaagctct	aattttatata	gtcacctata	aaatgttctt	tatatgtgtt	3480
cataagtaaa	tttttatattg	attaagttaa	acttttgaat	tgatttgagg	agcagtaaaa	3540

1237

```
tgaaagctat atctattcta aaccttattt agacattggt accagttacc caggtgaaaa 3600
tatggagtaa ctttgttttg tatggtaagg tttaggaatg gtggatgaag ggtatctcta 3660
tataaataaa gtgctcaaca atgtgcaatg attgtaaatt tagtaagata ttacagccat 3720
ttcatgaatg ctttaccatt caacatagta tctattacaa aacaccttct ttgtatccat 3780
atacttcagg tgttgctggt aacatttact atgatattta ttttaaccaa aatgttactc 3840
acattaaatg tttattcttt aaaatgaatg tattatgttt ttaaccacaa aatgcatact 3900
taccctgtgc ctcataattc aatagtactg taatatggac atcttttgtg aaatactttt 3960
attttgttat gctttaaata tacatacaaa aagatttctg ttattagctt tgaaaattgt 4020
ataatatact aatataaaca aaaatataaa aataaaaatg aatacagtaa aaaaaaaaaa 4080
aaaaaaaaa 4087
```

&lt;210&gt; 1963

&lt;211&gt; 801

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (660)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (744)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (762)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (773)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (791)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (801)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1963

```
cggggggtcat cttcttctcg gccctgctgc tgtgcattgc gcttctkctg tctactcca 60
tccacctcct gctgacctgt gctggattg cagggactgg ttcttgaagg gaaacctcct 120
catcatcatc gtcagtgtgt taatcatcct gccctcgcc ctcataaaac acttgggcta 180
cctgggggtac accagtggtc tctctctgac ctgcatgctg ttttctcttg tttcgggtcat 240
```

## 1238

```

ctacaagaag ttccaacttg gctgtgctat aggccacaat gaaacagcaa tggagagtga 300
agctctcgtg ggactcccca gccaaaggact caacagcagc tgtgaggccc agatgttcac 360
agttgactca cagatgtcct acacagtgcc cattatggct tttgcttttg tctgccaccc 420
tgaggtgctg cccatctata cggagctctg ccgttccacg acctctacac ctcaggccct 480
ccaagcgcag gatgcaggcc gtggccaacg tgtccattgg ggccatgttc tgcattgtatg 540
ggctcacagc aacctttgga tacctcacct tctacagcag tgtgaaggcg gagatgctgc 600
acatgtacag ccagaaggac ccgctcatcc tctgtgtgcg cctggccgtg ctgcttcgcn 660
ggtgaccct cactgtgcc a gtcgtgctgg ttcctatccg ccgggccctg gaagcaactg 720
ctttccag gcaagggcct ttancttggc cacgacattg tnggccatta gcntttgaat 780
ccttgcttg ntttgggtca n 801

```

&lt;210&gt; 1964

&lt;211&gt; 1626

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1607)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1964

```

cggacgcgtg ggcggacgcg tgggaaaagg tgaacaaatc tttccttcag gtagatgctg 60
gtagtcttt ggagcttgta gtaggggtccc atgagcactg cccacagctg ctttctgtac 120
catctgaggt catctcatcc ttaagagaac ttttaggacc agacaggaat gctcatctct 180
ctgtgccag tagttctctg ggggtggcct gaggctgact tgtctgtagt cactgagttc 240
atttactttt attttctagg ccttatgatg ggaaatggag taaaacaatg gtgggatttg 300
ggcctgagga tgatcatttt gtgcgagaac tgacttaca ttatggcgct ggagactaca 360
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ggaagctgga gtggccactg acggaagttg cagaaggtgt ttttgaaacc gaggccccgg 480
gaggatataa gttctatttg cagaatcgca gtctgcctca gtcagatcct gtattaaaag 540
taactctagc agtgtctgat cttcaaaagt ccttgaacta ctgggtgtaat ctactgggaa 600
tgaaaattta tgaaaaagat gaagaaaagc aaagggcttt gctgggctat gctgataacc 660
aggtgagcaa tcttgagaaa gaataacctg ttactttgaa tttggcttgt aaacgaagct 720
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tcacagtgat tcaatattta tatagataaa cagaagaaaa taagtataa ccttaccacc 840
cagatattac cttgtttata tttggggata tatctcttca gaagtggaat tgcttaatcc 900
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tactttattc ctttagtata taatatttga atttttctac cacatacgtg taatgaatgt 1440
ataacctgtc caaaaaataa ccccttttcc ytttcagtgt agstggagct acagggcgct 1500
aaggggtggg tggaccatgc agcagctttt ggaagaattg ccttctcttg ccccagaaa 1560
gaggtaacgc ttgataccag atcgtttgag ctttctgact agctagntca acccagctaa 1620
gaactt 1626

```

1239

&lt;210&gt; 1965

&lt;211&gt; 590

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (436)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (471)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (547)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (557)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (583)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1965

```
tccgcaccgg gactcgggac tcccgggaag tggaccggca gaagaggggg ctagctagct 60
gtctctgcgg accagggaga ccccgcgcc ccccggtgt gaggcggcct cacagggccg 120
ggtgggctgg cgagccgacg cggcggcgga ggaggctgt aggagtgtgt ggaacaggac 180
ccgggacaga ggaaccatgg ctccgcagaa cctgagcacc ttttgccctgt tgctgctata 240
cctcatcggg gcggtgattg ccggacgaga tttctataag atcttggggg tgcctcgaag 300
tgccctctata aaggatatta aaaaggccta taggaaacta gccctgcage ttcaccccga 360
ccggaaccct gatgatccac aagcccagga gaaattccag gatctgggtg ctgcttatga 420
ggttcttgtc agatantgag aaacggaaac agtacgatac ttatggtgaa naaggattaa 480
aagatggtca tcagagctcc atggagacat tttttacact tctttgggga tttgggttat 540
gttggangaa ccctgtngaa gacagaattt ccagaggaat gtntattgaa 590
```

&lt;210&gt; 1966

&lt;211&gt; 1970

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

1240

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1964)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1966

```
nggtgaaggg caatcagctg ttgccgtctc actggtgaaa agaaaaacca ccctggcgcc 60
caatacgcaa accgcctctc nccgcgcgtt ggccgattca ttaatgcagc tggcacgaca 120
ggtttcccgga ctggaaagcg ggcagtgagc gcaacgcaat taatgtgagt tagctcactc 180
attaggcacc ccaggcttta cactttatgc ttccggctcg tatgttgtgt ggaattgtga 240
gcggaataaca atttcacaca ggaaacagct atgaccatga ttacgccaag ctctaatacg 300
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gcacctgtgt gtctgtgccg agtgccaagg gtaaaggcag agaattgctgt gggagtgcag 1680
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caccatccct aatccctccc catatgcttt cctgacttga cctcagaatc cttcacaata 1800
ccgactccaa gaactgtac cactcagcag gagttgaaaa gagatataaa gcttatttgc 1860
attggtgttc caccctacca gctctttgtg ggggaaaaaac cctgatctgt aacatctgca 1920
gatttttaaa atataaatat tcctaccaa aaaaaaaaaa aaanaaaaaa 1970
```

&lt;210&gt; 1967

&lt;211&gt; 1222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1241

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1198)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1199)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1219)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1967

```
gcctgggttc ccascggctt cscagaggt ggaagaaacc cgaracgttc cgaagtcaac 60
gcaagcaaag gggagtgcgg gtcggggagg aatattcttt tggaacgta atattggcct 120
tggggtcttc cagccctttg ggacttccaa tgggattcta gaagcagccg aagcagcgtg 180
aggggcgcas ccagggccag ccacgatttg aacgctctgc cttgcagctc ttctggaccg 240
aggagcccaa agccctaccc tcaccattca ccaggtcctg tgggaagagc agcgtggagr 300
tgggctgagg ttagaagggtg cagagcgtgg aagaagattg tgagctgagt attggacatc 360
tgttcttgaa tagtccctgg gcctgccata ggaaaggaag ttctccaggg ttacagttct 420
tatccgcgtg aatacacatg gctctgttac gaaaaattaa tcagggtgctg ctgttccttc 480
tgatcgtgac cctctgtgtg attctgtata agaaagtcca taaggggact gtgccaaga 540
atgacgcaga tgatgaatcc gagactcctg aagaactgga agaagagatt cctgtggtga 600
tttgtgctgc agcaggggagg atgggtgcca ctatggctgc catcaatagc atctacagca 660
acactgacgc caacatcttg ttctatgtag tgggactccg gaatactctg actcgaatac 720
gaaaatggat tgaacattcc aaactgagag aaataaactt taaaatcgtg gaattcaacc 780
cgatggtcct caaaggggag atcagaccag actcatcgag gcctgaattg ctccagcctc 840
tgaactttgt tcgattttat ctccctctac ttatccacca acacgaagaa agtcattctat 900
ttggacgatg atgtaattgt acaagggtgat atccaagaac tgtatgacac caccttggcc 960
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agactcgtgg gacttcagaa cacatatatg ggctatctgg actaccggaa gaaggccatc 1080
aaggaccttg gcatcagccc cagcacctgc tctttcaatc ctggtgtgat tgttgcaaca 1140
tgacagaatg gaagcaccar cgcatcacca agcaattgga gaaaggatgc aaaagaanng 1200
gaggaaaacc tttttgcang tt 1222
```

&lt;210&gt; 1968

&lt;211&gt; 1438

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

1242

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1351)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1389)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1422)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1424)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1968

ncccggnctt	naggaattcg	gcacgagaaa	aaagaaaaga	aaagaaaaga	aaaaaaaaagg	60
tgctcaacat	tactgatcat	cagagaaatg	caaatcaaaa	ctccagtggag	atatcatctc	120
ccttttagtta	aatggctta	tatccaaaag	gcagaaaata	acaaatgcaa	ggatgtggag	180
gaaagggaaac	ccttgtatac	tggttggtgta	catagtgggt	gaaccactat	ggagaacaat	240
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atgaatggat	acagaaaatg	tggtacgtat	acacaatggg	tactagtcag	cctgggtgac	480
agagtggagac	tgtctcaaaa	aaaaagaaac	aaagaaagat	aaataaagaa	aaagacattg	540
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aaaaaaagat	ttttgtaaca	ttgtaactat	gtgtgtaatc	tactcttatc	ctaagtagaa	660
atctagactt	agaatctaata	gctgccactg	atctgacagg	aggcgggaact	cagacagtaa	720
tgttcccttg	cctgtacttc	acctcctgct	gtgtggccca	gtttctaaca	ggccacagac	780
tggtactggg	ttgcggcctg	gggggtgggg	accctgggt	tatcagatag	aattgcaagc	840
ctcatggtaa	cctcaaacca	aaaaacattc	aatgaataca	caacaaataa	aaagcaagaa	900
agtaaattat	atcaccagag	aaaatcagct	tcacttaagg	aagacaggaa	ggaaagaagg	960
aaggaagaga	agaccacaaa	acaaccagaa	aacaagtaac	aatatggcag	gaataagtct	1020
ttatttatta	gtaataacaa	tggactaaac	tctccaatca	aaagatggag	tggctaaata	1080
gataaaaaaa	aacaagaccc	attgattygy	mgcctacaag	aactacattt	cacctataaa	1140
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aaagagcagg	agttgctata	cttacatcag	acaaaacaga	ttttaagaca	aaaatctata	1260
agaagagaca	aagaagggtca	ctatataatg	ataaggggtc	aatgcagcag	aggattayaa	1320
tttaatttat	gaccacatga	gactgattta	ngaatatata	gagtagaagg	taagtatcat	1380



1243

atctggatna tccatgagat gcaattcgcg aatacaagac tngnttttgt gctagata 1438

<210> 1969

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<400> 1969

```

agctcgtgct aaacctcttt tctttataaa ttaccacagt atgtgggttg gctgtgtccc 60
caccctaaatc tcatcttgaa ttcttacgtg ttgtgggagg gaccacagt taggtaattg 120
aatcatggcg gcaggctctt cccttgctat tctcgtgatc atgaataagt ctcacatgat 180
ctgatgattt taaataactgg agtttcccct gcacaagctc tctctttgcc tgctgccagc 240
catgtaagac atgacttgct cctycttgcc ttccatcatg attgtgaggc cttcccagcc 300
acgtggaact gtaagtccat taaacctctt tttttttata aatggccaag tctcaaatat 360
gncttttatca acagcgtgaa atggactagt accgtaaatt ggtaccaata gaatggggca 420
ctgcttaaaa gatcccgaaa atgtgaaagc gactttggaa ctgggtaata ngcaaaaggt 480
tgcantgaac ttaaaatcat tgccactgna cttcaacctg ggc 523

```

<210> 1970

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

1244

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (774)

<223> n equals a,t,g, or c

<400> 1970

```

nnnnaytagt tttgcanagc tatttaggtg acactataga aggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cggaaggctc cagaggctgt gggaagcagc 120
acatcagcga cagctcctgg ctgctggact ccgcaggagg ggaaggaaga ttggtcgcaa 180
tgtcccagca gaagtgcac gtgatctttg ccctggtgtg ctgctttgcc attctggttg 240
cactgatctt ttcagccgtg gacatcatgg gagaggatga ggatggactc tcagaaaaaa 300
attgccaaaa taaatgtcga attgccctgg tggaaaatat tccgaaggc ctttaactatt 360
cagaaaatgc accatttcac ttatcacttt tccaaggctg gatgaattta ctcaacatgg 420
ccaaaaagtc tgttgacata gtgtcttccc attgggatct caaccacact catccatcag 480
catgtcaggg tcaacgtctt tttgaaaagt tgctccagct gacttcgcaa aatattgaaa 540
tcaagctagt gagtgatgta acagctgatt caaaggatatt agaagccttg aaattaaagg 600
gagccgaggt gacgtacatg aacatgaccg cttacaacaa gggccggctg cagtcctcct 660
tctggatcgt ggacaaacag cacgtgtata tcggcagtg cggtttggac tggcaatccc 720
tgggacaggt acatatactt ctatatagct gtaaatagat gatatggttt gtgnt 775

```

<210> 1971

<211> 1134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

1245

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1971

```
gaacaagctg ttactaatgt actggagttt ctgtgcaaac tgtctaccat aaaccatgaa 60
aggattcaaa gttcatagtt ccttcctttgt tcctttgtta atnactgact tcnnactagt 120
gggaggtgcc tccaagttt gctaataatg tctttttgga taaggatgac gcacagattg 180
tcctaataag gacttagatt gagaaagacc gccccctctg agaagagggg acaagtcaga 240
gagagggcgg gcagtttctt ttttaactag ggatgacaca agcataagtc atttccttat 300
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gtcattcatt ttattccttg tgccatacca gactacagta tcagctgagc tgaccttact 420
ctgaggacta actcctttgc tggaagcggg ttctgattta cagctcttgg tttctcccag 480
acatgttggg gggagagatt ttgggtttta aggggttgtt agatggagta aattttcttt 540
tttttttttt ttttttttaa ctaaaaaggg gtcacagaat ttcagcagtt ctctgatttt 600
tatattttat tcctcttcct atccaatccc tgccttttga gtccaggtgg taagtacatt 660
ttctttaacg ttttctctgc ttttcttccc aaatgtgtct ttttctttgg gctactgtac 720
cctgcttcca gtgctgtccc cggcataggt ccatctctgc agaagccatt tcaggagtac 780
ctggaggctc aacggcagaa gcttcaccac aaaagcgaaa tgggcacacc acaggagaaa 840
aactggttgt cctggatggt tgaaaagttg gtcgttgtca tgggtgtgta cttcatccta 900
tctatcatta actccatggc acaaagttat gccaaacgaa tccagcagcg gttgaactca 960
gaggagaaaa ctaaataagt agagaaagtt ttaaactgca gaaattggag tggatggggt 1020
ctgccttaaa ttgggaggac tccaagccgg gaaggaaaat tcccttttcc aacctgtatc 1080
aatttttaca acttttttcc tgaaagcagt ttagtccata ctttgactg acat 1134
```

&lt;210&gt; 1972

&lt;211&gt; 451

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (414)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (447)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (450)

&lt;223&gt; n equals a,t,g, or c

1246

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1972

```

gcggnnttcgt gggctgctct gcactctcag gtattccctg ctcttactcc aaaaagatgg 60
accaggtcc gaagggggcac tgccactgtg gggggcatgg ccatectcca ggtcactgcg 120
ggccaccccc tggccatggc ccagggccct gcgggccacc cccccacat ggtccagggc 180
cctgcggggc accccctggc catggcccag ggccctgcgg gccaccccc caccatggtc 240
cagggccctg cgggcctccc cctggccatg gcccaggtea cccaccccc ggtccacatc 300
actgaggaag tagaagaaaa caggacacaa gatggcaagc ctgagagaat tgcccagctg 360
acctggaatg aggcctaaac cacaatcttc tcttcctaataaacagcctc ytanaggcca 420
cattctattc tttaaaaaaa aaaaaanaa n 451

```

&lt;210&gt; 1973

&lt;211&gt; 1385

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1303)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1307)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1382)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1385)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1973

```

aagagaaaga tgtcactgtc tctaattctc ctgtcatttt tatttccagc aggcgcgggg 60
cgaaggagct gctagaacaa tgctgaggcg ggtgaggatga ggagcagccc ctgcgggcag 120
ccccgacaga gtgtctggaa caggtgattg gaggagccgg agaccagggc acctgggcat 180
ccttcccctc gcctctgcca ggccccgcgc ccctaaaagg tgggaaaacc atggcgacca 240

```

## 1247

```

atttcagtga catcgtcaag caaggctacg tgaagatgaa gagcaggaag ctcgggatct 300
accggagggtg ctggctggtg ttccggaaat cctccagcaa ggggccccag cggtcggaga 360
agtatccaga tgagaagtcg gtgtgcctcc ggggctgccc caaggcgact gagatcagca 420
acgtcaagtg tgttacgcgg ctccccaagg agaccaagcg gcaggcgggtg gccatcatat 480
tactgatga ctcggcacgt accttcacct gcgactcaga gctagaggca gaggagtgg 540
acaagacact atctgtggag tgtctggggt cccgcctcaa cgacatcagt ctgggagaac 600
ctgacctcct ggccccagggt gtgcagtgtg aacagacaga tcgcttcaat gtcttcctgc 660
tgccctgccc caacctggac gtgtatggcg agtgcaagct gcagatcacc cacgagaaca 720
tctacctctg ggacatccac aacccccgtg tgaagctcgt ctctggscc ctctgctyam 780
tgcccgcta tggccgggat gccacacgct ttaccttca ggctggccgg atgtgtgatg 840
ctgggaagg actctatacc ttccagacac aagaggggga gcagatttac cagcgctcc 900
acagtccac cctggccatc gcagagcagc acaagcgggt cctgctggaa atggagaaga 960
cgtgaggctg ctgaacaagg gcacggaaca ttactcgtat ccctgcacac ccacgacct 1020
gctgscgctg agtgctact ggcaccacat cactggttcc cagaacatcg ccgaagcctc 1080
cagctatgct ggtgagtcgc ttccatgccc cacaccacc tgccaggagg ctttgtggag 1140
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gccacaggt gacgggtatg gggcaagccc aggccagctc ggaaacagac ctctcaacag 1260
attcatcctg ctaaagccaa agcccagcca gggggacaag cantgangcc aagaccccat 1320
cccagtgaca cagtgtggc gagcacgat gactgggtggn ggctgctgct tgcgggctgg 1380
cntcn 1385

```

&lt;210&gt; 1974

&lt;211&gt; 748

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1974

```

tacgccncca ggccccggtc cggaattccc gggctgaccc acgctgccc tttaaccaga 60
cagctcagac ctgtatggag gctgccagt acaggttagg tttagggcag agaagaagca 120
agaccatggt ggggaagatg tggcctgtgt tgtggacact ctgtgcagtc agggtgaccg 180
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tcacctgcc ctgcacctac cacacttcca cctccagtcg agagggactt attcaatggg 300
ataagctcct cctcactcat acggaaaggg tggcatctg gccgttttca aacaaaaact 360
acatccatgg tgagctttat aagaatcgcg tcagcatatc caacaatgct gagcagtc 420
atgcctcatc accattgatc agctgacct ggctgacaac ggcacctac agtgttctgt 480
ctcgtgatg tcagacctgg agggcaacac caagtcacgt gtccgcctgt tggctcctgt 540
gccacctcc aaaccagaat gcggcatcga gggagagacc ataattggga acaacatcca 600
gctgacctgc caatcaaagg agggctcacc aacccctcca gtacagctgg aaagargtta 660
caacatcctg aatcargagc agcccctggc ccasccacct caggttcaac ctgttctccc 720
ttaaaaaata tctcccacag aacacatc 748

```

&lt;210&gt; 1975

&lt;211&gt; 771

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1248

&lt;400&gt; 1975

```

ggccacgagg tacgtcccg cgctccgctt ggcccaagat ggcggcctcc gtgtgcagcg 60
ggttgctggg gccacgggtg ctgtcctgga gccgagagct gccttgcgct tggcgcgccc 120
tgcacacctc cccggtctgc gccagaacc gggcgggccc agtacgcgta agcaaggggg 180
acaagccggt gacctacgag gaggcacacg cgccgcacta catcgccac cgtaaagggt 240
ggctgtcgct gcacacaggt aacctggatg gagaggacca tgccgcagag cgaacggtgg 300
aggatgtttt ccttcgcaag ttcatgtggg gtaccttccc aggctgcctg gctgaccagc 360
tggtttttaa gcgcccgggt aaccagttgg agatctgtgc cgtggtcctg aggcagttgt 420
ctccacacaa gtactacttc ctctgtgggt acagtgaac tttgctgtcc tacttttaca 480
aatgtcctgt gcgactccac ctccaaactg tgccctcaa ggttgtgtat aagtacctct 540
agaacaatcc ctttttttcc atcaagctgt agcctgcaga gaatggaaac gtgggaaagg 600
aatggtatgt gggggaaatg catccctca gaggactgag gcatagtctc tcatctgcta 660
ttgaataaag accttctatc ttgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg g 771

```

&lt;210&gt; 1976

&lt;211&gt; 1712

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1688)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1692)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1697)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1976

```

ccgcgcgttg gccgattcat taatcagctg gcacgacagg tttcccgact ggaaagcggg 60
cagtgcgcgc aacgcaatta atgtgagtta gtcactcat taggcacccc aggctttaca 120
ctttatgctt ccggctcgta tgttgtgtgg aattgtgagc ggataacaat ttcacacagg 180
aaacagctat gacctgatt acgccaagct ctaatacgac tcaactatagg gaaagctggg 240
acgcctgcag gtaccggtcc ggaattcccg ggtcgacca cgcgccgggt ccctaggaga 300
taagagtatc ttgcacagca ggtgcagggt tcccagcagc tcaggcaaga gtccgatgtt 360
tgtgccatct gatcctgatg tctggagaga tagccatgtg tgagcctgaa tttggcaatg 420
acaaggccag ggagccgagc gtgggtggca ggtggcgagt gtccctggta gaacggtttg 480
tgcagccatg tctggtcgaa ctgctgggct ctgctctctt catcttcatc ggggtgcctgt 540
cggtcattga gaatgggacg gacactgggc tgctgcagcc ggccctggcc cacgggctgg 600
ctttggggct cgtgattgcc acgctgggga atatcagtgg tggacacttc aaccctgcgg 660
tgteccctggc agccatgctg atcgagggcc tcaacctggt gatgctcctc ccgtactggg 720
tctcacagct gctcgggggg atgctcgggg ctgccttggc caaggcgggt agtcctgagg 780
agaggttctg gaatgcatct ggggcggcct ttgtgacagt ccaggagcag gggcaggtgg 840
caggggcggt ggtggcagag atcatcctga cgacgctgct ggccctggct gtatgcatgg 900

```

1249

```

gtgccatcaa tgagaagaca aagggccctc tggccccgtt ctccatcggc tttgccgtca 960
ccgtggatat cctggctggg ggccctgtgt ctggaggctg catgaatccc gcccggtgctt 1020
ttggacctgc ggtggtggcc aaccactgga acttccactg gatctactgg ctggggccac 1080
tcctggctgg cctgcttggt ggactgctca ttaggtgctt cattggagat gggaagacct 1140
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tcagctcacc tgccccagac tgaggacagg ggagttcctg catttcctgc cagggcagag 1260
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aacacgtgc ccgactgcc cagagagcag tgcaaacacc acaacacgag cgtgtttctt 1440
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acccatttc tktcttgatt gcttgttggt gggcctggcc acttccttgc ttctcaagct 1560
gacaattctg cactttgcaa taaatagtcc agtgtttcct tccaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaangg gnggcctttt taaaggatcc aa 1712

```

&lt;210&gt; 1977

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1977

```

atggtgtgac tcggccgacg cgagcgccgc gcttcgcttc agctgctagc tggcccaagg 60
gaggcgaccg cggaggggtg cgagggggcg ccaggacctg cagccccggg gccggggccg 120
tcgggaccgc caggggagggc aggtcagtggt gcagatcgcg tcgcggggat tcaatctctg 180
cccgtcttga taacagtcct ttcccttggc gctcacttcg tgccctggcag ccggctgggc 240
gcctcaagac cgttgtctct tcgatcgctt ctttggaactt ggcgaccatt tcagagatgt 300
cttccagaag taccaaagat ttaattaaaa gtaagtgggg atcgaagcct agtaactcca 360
aatccgaaac tacattagaa aaattaaagg gagaatttgc acacttaaag acatcagtggt 420
atgaaatcac aagtgggaaa ggaaagctga ctgataaaga gagacagaga tttttngaga 480
aaattcgagt ccttgagg 498

```

&lt;210&gt; 1978

&lt;211&gt; 4485

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1978

```

gtaacttctc gggaagatga ggcagtttgg catctgtggc cgagttgctg ttgccgggtg 60
atagttggag cggagactta gcataatggc agaacctgtt tctccactga agcactttgt 120
gctggctaag aaggcgatta ctgcaatctt tgaccagtta ctggagtttg ttactgaagg 180
atcacatttt gttgaagcaa catataagaa tccggaactt gatcgaatag ccactgaaga 240
tgatctggta gaaatgcaag gatataaaga caagctttcc atcattgggtg aggtgctatc 300
tcggagacac atgaagggtg catttttttg caggacaagc agtgggaaga gctctgttat 360
caatgcaatg ttgtgggata aagtttctcc tagtgggatt ggccatataa ccaattgctt 420
cctaagtgtt gaaggaactg atggagataa agcctatctt atgacagaag gatcagatga 480
aaaaaagagt gtgaagacag ttaatcaact ggcccatgcc cttcacatgg acaaagattt 540

```

## 1250

```

gaaagctggc tgtcttgtag gtgtgttttg ccaaaagcaa aatgtgccct cttgagagat 600
gacctgggtg tagtagacag tccaggcaca gatgtcacta cagagctgga tagctggatt 660
gataagtttt gcctagatgc tgatgtcttt gttttggtcg caaactctga atcaacacta 720
atgaatacgg aaaaacactt ttttcacaag gtgaatgagc ggctttccaa gcctaataat 780
ttcattctca ataatcgttg ggatgcctct gcatcagagc cagaatatat ggaagacgta 840
cgcagacagc acatggaaag atgcctgcat ttcttggtgg aggagctcaa agttgtaaat 900
gcttttagaag cacrgaatcg tatcttcttt gtttcagcaa aggaagttct tagtgctaga 960
aagcaaaaag cacaggggat gccagaaagt ggtgtggcac ttgctgaagg atttcatgca 1020
agattacagg aatttcagaa ttttgaacaa atctttgagg taggaatttt gtgattgtat 1080
tgcctaatac aaaactcttt ctttggttg agaaagcata atcttctatt tttatccttt 1140
gtctttgtca ataacttttg ctgttattta gtttagttac tgacacagcc agtaaaatgt 1200
ggaaagtga gaaaaggagc ccctgcaaaa tgatttgtaa gaattgagaa ttaaagattg 1260
taatttatcc cttattctta tttttatgta ttttatataa ataagaaact gtgtttcaat 1320
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caagcgtaat tgctgttgga atggataata gagcaaatga agcattatcc ttttttactt 1440
tgtgccgcat gactaataga agtatacaaa acatgattaa tgccatttga caaaatttta 1500
ttatatttat atactgtgtt accacatgtc cattctccat attttgtgcc aaacattcta 1560
aatgaataat tgagtagaaa agagcttcag cgttttcaga aacttctagg aaactattga 1620
agtgcctgag tggtagatgg ggagggaggc tagtttctta tgttgcatg taagtgtttt 1680
tattcagaga cattaaaact caccctacat ttgactgaat agttcttttag atattaacct 1740
tctgaacccc tattttgccc tgtataattc atatcacctt ccacttagg aatgaacaca 1800
gtgacttcag cattgaagaa acctcagtct gtaattattc ttataagtag taactgcttt 1860
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gcagttgggc aatcatagcg cattgcagcc tcgaactcct gggctcaaat ggtcctccca 2280
cctcagcctc ctctcctcac tgttatcagt tatttcatcc atggggaaaa tatgtaggga 2340
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agcctagctg atcatcagaa tcacatgacg tgctttagag aaccacaggc tcctgacct 2640
tcctatcccc aaccccagat ccaggggggtt ggggttggtc taggaatcta tatacatata 2700
tattcaaagt tccccaagtg attgcaataa tcagacagac ttaggaacta ttctttttaa 2760
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gtattaaaaa gagacaaaac attttttgtt aattaattac attgaaagt tttagtcagct 3060
ttattccaaa actgggtattt gttacttctt aagtcagttt tggtaatctc tgatttctta 3120
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tcttgtttct cacttctata tttaaatata aatatatct tacatatata tacacacaca 3240
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atttatcact taataaatat catttttggg gtttcattca ctaagttctt tttttttttt 3360
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cctcagcttc cctagtagct gggactacag gggcacacca ctacatccgg ctaattttttg 3540
tatttttagt agagacgggg ttacacagtg ttggccagga tggctctgat ctctgacct 3600

```



## 1251

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catgatccac cgccttggc ctcccaaagt gctgggacta caggcgtgag ccaccgtgcc 3660
tggcctgtgt tgccttttaa cattgtttac gttgaagatg cattggtttt tgcttattct 3720
taaagaaaag attcaggatt gtgaatttgt gactgcagct ttaggcgtat cccaaggttt 3780
tcagtactag tttagttttt gttgtttttg tttctaatta tccttttggc atttccttat 3840
caatataaga ctttttaaaa ttcaagtgtt ttgattcatt ttatccaatt tttggttact 3900
aatttcttgg tttctttgtg ttgtggtcac atcatgtggc ttttacacac attttctctg 3960
ttttggggat ttgctacttt tttttgtagt cgtgcaagat tttttgtgaa aagaaaaact 4020
gtatcaagtt catcaccttt atcaatttga cctgtgccgt gaacttcttt agattcattt 4080
gattcaaatg gatctaagta ttttaaacad ttagaataact aatttaagca aggcttgaaa 4140
attaaatgga gtaaaagcaa taataaaat caatattagc ctgggcattg gtggctcatg 4200
ccagtaatgc cagtactttg ggatgccaaa gcaggaagat ctcttgagct taggagattg 4260
agatcagggt gggcaaaaac atgaaaagac taaatcacat ctctagcagg aaaaaaaaaa 4320
aatccagata tgatagctca tgactatagt cacagctacc ccagaggctg aggtggaagg 4380
ccaagaagtt tgaggctgtg gtgatggtga gctatggagg taccactgtg ctccaacctg 4440
tgtgacagag tgagactctc ttttctttca aaaaaaaaaa aaaaa 4485
```

<210> 1979

<211> 2486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2436)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2465)

<223> n equals a,t,g, or c

1253

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (724)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (825)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (845)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (848)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (855)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (886)  
<223> n equals a,t,g, or c

<400> 1980  
ggagcgcaac gcaattaatg tgagttagct cactcattag gcaccccagg ctttacactt 60  
tatgcttccg gctcgtagt tgtgtggaat tgtgagcgga taacaatttc ncacaggaaa 120  
cagctatgac catgattacg ccaagctcga aattaaccct cactaaaggg ancaaaagct 180  
ggagctccac cgcggtggcg gccgctctag aactagtgga tccccgkkc tgcaggaatt 240  
cggcacgaga ggacataaca gaagcaatag agactaccat tagtcttgaa acagcacgtg 300  
cagaccatcc gaagcctgta actgtgaaac cagtaacaac ggaacctcag agtccagatc 360  
tgaacgatgc cgtgtccagt ttgcgaagtc ctattcccct cctcctgtcg tgtgcctttg 420

## 1254

```

ttcaggtggg gatgtatttc atgtagaagg tggagaagg ctgctatgac tctttggatg 480
ggagtctggc aagaggaaat tggaagataa aataaataat aagtgaata aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaact cgaggggggg cccgggtacc aattcgccct atagtgagtc 600
gtattacaat tcaactggcg tcgttttaca acgtcgtgac tgggaaaacc ctggcggttac 660
ccaacttaat cgccttgca cacaaccccc ttccgccagc tggcgtaata gcgaagaggc 720
ccgnaccgat cgccttccaa cagttgcgca acctgaatgg cgaatggcaa attgtaaagc 780
gttaatatatt tggtaaaatt cgcggtaaat tttggtaaat caagntcatt ttttaacca 840
taggnccnaa tcggnaaaat cccttataaa tcaaaaggaa tttganccgg gaatagggtt 900
gaatggttgt tccaa 915

```

<210> 1981

<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 1981

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ggaaaatctt ctgacactat ntaaggnacg cctgcnggta ccgggtccgga attcccgggt 60
cgaccacgc gtccggggaa gctcgtggcg ctggtcctgc tgggggtcgg cctgtcctta 120
gtcggggaga tggtcctggc gtttagagaa aggggtgaatg cctctcgaga agtggagcca 180
gtagaacctg aaaactgcca ccttattgag gaacttgaaa gtggctctga agatattgat 240
atacttccta gtgggctggc ttttatctcc agtggattaa aatatccagg catgccaaac 300
tttgcccgag atgaaccagg aaaaatcttc ttgatggatc tgaatgaaca aaaccaagg 360
gcacaagcgc tagaaatcag tgggtggattt gacaaagaat tatttaatcc acatgggatc 420
agtattttca tcgacaaaga caatactgtg tatctttatg ttgtgaatca tccccacatg 480
aagtccactg tggagatatt taaatttgag gaacaacaac gttctctggg atacctgaaa 540
actataaaac atgaacttct caaaagtgtg aatgacattg tggttcttgg accagaacag 600
ttctatgcc aagagacca ctattttacc aactccctcc tgtcattttt tgagatgatc 660
ttggatcttc gctggactta tggtcttttc tacagcccaa gggagggttaa agtgggtggc 720
aaaggatttt gtagtgccaa tgggatcaca gtctcagcag accagaagta tgtctatgta 780
gctgatgtag cagctaagaa cattcacata atggaaaaac atgataactg ggatttaact 840
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ggagacattt tggcaggatg ccatacctaat cctatgaagc tactgaacta taaccctgag 960
gacctccag gatcagaagt acttcgcac cagaatgttt tgtctgagaa gccagggtg 1020
agcaccgtgt atgccaacaa tggtctctgtg ctccagggca cctctgtggc ttctgtgtac 1080
catgggaaaa ttctcatagg caccgtattt cacaaaactc tgtactgtga gctctagact 1140
ctagatagta aaaaaaaaaa aaaaaagtct acatattttg taaaagtaaa ctgataattg 1200

```

## 1255

tatgataagt ggcactgtaa gtaaataagca aacaccaacc agtgagtgtg gcttttctta 1260  
tggatagaag taaaggagca gacagagatt ccttgatagc catcaaattg caagtcaggt 1320  
taatgacagt ccaacaagaa gccaaacttt acggatcttt gttagcagcc ccaatgttct 1380  
ttctacaata aaacatgtgg actatgtcca gtgaggtctc cgactca 1427

<210> 1982

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (699)

<223> n equals a,t,g, or c

<400> 1982

tgctgatgca ggccatctcc ctcttctccn cagaccgtcc aggtgtgctg cagcaccgcg 60  
tggatggacca gctgcaggag caattcgcca ttactctgaa gtcttacatt gaatgcaatc 120  
ggccccagcc tgctcatagg ttcttggtcc tgaagatcat ggctatgctc accgagctcc 180  
gcagcatcaa tgctcagcac acccagcggc tgctgcgcat ccaggacata cccccctttg 240  
ctacgcccct catgcaggag ttgttcggca tcacaggtag ctgagcggct gcccttgggt 300

## 1256

```

gacacctccg agaggcagcc agacccagag ccctctgagc cgccactccc gggccaagac 360
agatggacac tgccaagagc cgacaatgcc ctgctggcct gtctccctag ggaattcctg 420
ctatgacagc tggttagcat tcctcaggaa ggacatgggt gccccccacc cccagttcag 480
tctgtaggga gtgaarccac agactcttac stggagagtg cactgacctg taggtcagga 540
ccatcagaga ggcaagggtg ncctttcttt taaaaggccc tgtggtcntg gggagaaatn 600
cctcagatcc cactaaaagt gtcaangtgt tgaaaggggac caaagccgac caaaggatag 660
ggcattcctg ggggtctaata gnceccaacaa taccacacnt tttgggttcg g 711

```

<210> 1983

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

<400> 1983

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aaaasgtmac gctgacagg tmacccggatc cggaattcc cgggtcgacc caccggcgtcc 60
gcatttgcaa taacagaaaa ggaattgcat gtatgaagtt ttcaatcgtg ggcttttctt 120
tggttggtggg aggggtcgcg gggatagttt gatttccatt ttctgaaaac gacagacttg 180
gattctgttt gtgtgtgcat attttatcca gccttaagtt ataaagctca tctgtcccgc 240
tgcattccct gtgtattttc aggacatggc tcgtgggtgt gtgtgttcat tgtgtgcgtc 300
tgtatgtatt ttntgtcat cactgttccc tctcctccc agtgtgcatt cagttaatat 360
aatcagttgc ttgntcttt caaagtgtt tgaaagtctg aactcatgtg tgagcatttt 420
atcaactatc ccaattgcag ttctccatca caaatctcct attggcngt acccctgaga 480
atagttttaga gaatggaata agcngtctgg aagatagcta gcg 523

```

<210> 1984

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1257

&lt;222&gt; (417)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (423)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1984

```
atctactagg agtcaggggtg taagcctaga gaggatgaaa gaagggggagg ggatgggggag 60
tggttaagaac ctaggatttg aattcccagc ctggccaacc cttgcagcca tgtcttggcc 120
tcaagtggaa caagggctcc ttgaggccag cagggttggg ggagttgggg tgggcctgag 180
cctctttcct gctagagctc ttggctctcc ctgcctccac caccatccc tgctctgcag 240
aaccctggg tgctgagtgg caggagcccc agggttgtcc catctgggta tggctggctg 300
ggtcactaac ttctgtgatc tgcttccttc ctttccagat tatgcggatc aaacctcacc 360
aaggccagca cataggagag atgagcttcc tacagcacia caaatgtgaa tgcagancaa 420
agnaagatag agcaagacaa gaaaatccct gtgggccttn ctca 464
```

&lt;210&gt; 1985

&lt;211&gt; 1233

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (135)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (163)

1258

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1985

```

atggaaaaac gccagcaacg cggccttttt acggttcctg gccttttgnt ggccttttgc 60
tcacatgttc tntcctgcgt tatccccctga ttntgtggat aaccgtatta ccgcctttga 120
gtgagctgat accgntcgcc gcagccgaac gaccgagcgc agngagtcag tgagcgagga 180
agcgggaagag cgcccaatac gcaaaccgcc tctccccccg gcgttggccg atttcattaa 240
tgcagctggc acgacagggt tcccgactgg aaagcgggca gtgagcgcaa cgcaattaat 300
gtgagtttagc tcactcatta ggcaccccag gctttacact ttatgcttcc ggctcgtagt 360
ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa acagctatga ccatgattac 420
gccaagctcg aaattaaccc tactaaagg gaacaaaagc tggagctcca ccgcgggtggc 480
ggcgcgtcta gaactagtgg atcccccggt ctgcaggaat tcggcacgag catggttgtt 540
gcaaaaacttt cttctatttc ttctcctcct ggtattctca ttactctgtt tcaccttgtg 600
tagttgtccc acagtcttgg atatcatctt ctggtctttt cagtgtttct tttctttagt 660
tttgaagtt tctgatgata aatcctcaag ctcagagatt ctttactcag ctgagtccag 720
tctactaata agccatcaga ggtattcttc agttatttaa cacatttttt accactacat 780
tatgttgaag tttcttacga tgtctgtctt tctgattaca ttacccatct acacttgaat 840
gctgtctact tcattcatta gacccttagc atattctcca gaggtttaaa aaaatttcca 900
aaatcataac tttgtctgct tctgaagctt gctctgttga cacaattgtt atttttttct 960
ttttttggat tttagtatgc cttgcaattt tttcccttta ttctcatgca tgaagcacc 1020
cactaaargt gactgytggt agtatagctt tartaatgcg gtgatgargt gacagggcag 1080
gtgatgctct cttagtctct ttargctact ataacaaaat acttttagact gagccsaata 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa tcgagggggg 1200
ccccgacca attcgcccta ctacgtgcgt cga 1233

```

&lt;210&gt; 1986

&lt;211&gt; 1583

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1986

```

ctgctggctc acctccgagc cacctctgct gcgcaccgca gcctcggacc tacagcccag 60
gatacttttg gacttgccgg cgctcagaaa cgcgcccaga cggccctcc accttttgtt 120
tgcttagggt cgccgagagc gcccgagggt aaccgcctgg ccttcgggga ccaccaattt 180
tgtctggaac caccctcccg gcgtatccta ctccctgtgc cgcgaggcca tcgcttact 240
ggaggggtcg atttgtgtgt agtttggtga caagatttgc attcacctgg cccaaaccct 300
ttttgtctct ttgggtgacc ggaaaactcc acctcaagtt ttcttttgtg gggctgccc 360
ccaagtgtcg tttgttttac tgtagggtct cccgccggc gccccagtg tttctgagg 420
gcggaaatgg ccaattcggg cctgcagttg ctgggcttct ccattggcct gctgggctgg 480
gtgggtctgg tggcctgcac cgccatccc gctggcaga tgagctccta tgcgggtgac 540
aacatcatca cggcccaggc catgtacaag gggctgtgga tggactgcgt cacgcagagc 600
acggggatga tgagctgcaa aatgtacgac tcggtgctcg cctgtccgc ggccttgacg 660
gccactcgag ccctaattgt ggtctccctg gtgctgggct tctggccat gtttgtggcc 720
acgatgggca tgaagtgcac gcgctgtggg ggagacgaca aagtgaagaa ggcccgata 780
gccatgggtg gaggcataat tttcatcgtg gcaggtcttg ccgccttggg agcttgctcc 840
tggtatggcc atcagattgt cacagacttt tataaccctt tgatccctac caacattaag 900
tatgagtttg gccctgccat ctttattggc tgggcagggt ctgccctagt catcctggga 960
ggtgcactgc tctcctgttc ctgtcctggg aatgagagca aggctgggta ccgtgcacc 1020
cgctcttacc ctaagtccaa ctcttccaag gagtatgtgt gacctgggat ctcttgccc 1080
cagcctgaca ggctatggga gtgtctagat gcctgaaagg gcctggggct gagctcagcc 1140
tgtgggcagg gtgccggaca aaggcctcct ggtcactctg tccctgcact ccatgtatag 1200

```

## 1259

```

tcctcttggg ttgggggtgg ggggggtgccg ttggtgggag agacaaaaag agggagagtg 1260
tgctttttgt acagtaataa aaaataagta ttgggaagca ggcttttttc cttcagggc 1320
ctctgctttc ctcccgcca gatccttgca gggagcttg aaccttagtg cacctacttc 1380
agttcagaac acttagcacc ccactgactc cactgacaat tgactaaaag atgcaggtgc 1440
tcgtatctcg acattcattc ccacccccct cttatttaaa tagctaccaa agtacttctt 1500
ttttaataaa aaaataaaga tttttattag gtaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaa 1583

```

&lt;210&gt; 1987

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1987

```

tgaaaaccat ccgtctgcc a cgtgggtgg cccccagccc ccaacctcca tcctgcagga 60
gggtccgaag tgcttttct ctaaccagat tctgtcttct ctccagcagc ctgcccacc 120
aaggagatcc aggttaaaaa gtacaagtgt ggctcatca agcctgccc agccaactac 180
tttgcgttta aaatctgcag tggggccgcc aacgtcgtgg gccctactat gtgctttgaa 240
gaccgcatga tcatgagtc tgtgaaaaac aatgtgggca gaggcctaaa catcgccctg 300
gtgaatggaa ccacgggagc tgtgctggga cagaaggcat ttgacatgta ctctggagat 360
gttatgcacc tagtgaaatt ccttaaagaa attccggggg gtgcaactgt gctgggtggc 420
tcctacgacg atccagggac caaaatgaac gatgaaagca ggaaactctt ctctgacttg 480
gggagttcct acgcaaaaca actgggcttc gggacagtgg g 521

```

&lt;210&gt; 1988

&lt;211&gt; 346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1988

```

gcttgagtcc agatcttgta ctctctcat atttcttctg aaacatttaa aagtgtacat 60
tggttgtcaa atgtcaaaaca ttacttactt catacttttt tcctccaatc tttatttcac 120
agttgttcag gggatgaagg aagctcagga aaggctgacg ggtgatgcct tcagaaagaa 180
acatcttgaa gatgaattgt aacatgaatg tgcccccttct ttcacagar ttagtggttct 240
ggaaggaaag cagcagggaa agggaaatatt gaggaatcmt ctagaacaat taagccgamc 300
aggaaactca tycctaccta cctggaaaga mgtccccccc ccccc 346

```

&lt;210&gt; 1989

&lt;211&gt; 952

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (944)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (945)

&lt;223&gt; n equals a,t,g, or c



1260

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (947)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1989

```
ggcacgaggc cctcgcgggc tggccccgcc gcgccccggc cgccccgcc ccgggggggat 60
gtcttacaaa ccgaacttgg ccgcgcacat gcccgccgcc gccctcaacg ccgctgggag 120
tgtccactcg ccttccacca gcatggcaac gtcttcacag taccgccagc tgctcagtga 180
ctacggggcca ccgtccctag gctacacca gggaaactggg aacagccagg tgccccaag 240
caaatacgcg gagctgctgg ccattcattga agagctgggg aaggagatca gaccacgta 300
cgcaggggagc aagagtgcc tggagaggct gaagcgcgcc atcattcacg ctagaggact 360
ggttcgggag tgcttggcag aaacggaacg gaatgccaga tcctagctgc cttgttggtt 420
ttgaaggatt tccatctttt tacaagatga gaagttagc ttcattctcc ctgttcagat 480
gaaacccttg ttttcaaaat gggttacagt tcgtttttcc tcccatgggt cacttggctc 540
tgaacctaca gtctcaaaga ttgagaaaag attttgcagt taattaggat ttgcatttta 600
agtagttagg aactgcccag gttttttttg ttttttaagc attgatttaa aagatgcacg 660
gaaagttatc ttacagcaaa ctgtagtttg cctccaagac accattgtct ccctttaatc 720
ttctcttttg tatacatttg ttacccatgg tggtctttgt tccttttcat aagctaatac 780
cactgtaggg attttgtttt gaacgcata tgcagcacg ctttacttag tagccgggtc 840
ccatttgcca tacaatgtag gttctgctta atgtaacttc ttttttgctt aagcatttgc 900
atgactatta gtgcttcwwa gtcaattggg ccrkgcactt tttntnaga gg 952
```

&lt;210&gt; 1990

&lt;211&gt; 606

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1261

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1990

```
atnancctc actaaaggga acaaaagcng gngnctccac cgcggtgtcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagt attgggacag gtggctttgc 120
aaagggtcaaa cttgcctgcc atatccttac tggagagatg gtagctataa aaatcatgga 180
taaaaacaca ctaggggagtg atttgccccg gatcaaaacg gagattgagg ccttgaagaa 240
cctgagacat cagcatatat gtcaactcta ccatgtgcta gagacagcca acaaaatatt 300
catggttctt gactactgcc ctggaggaga gctgtttgac tatataattt ccaggnctcg 360
cctgtcagaa gaggagaccc gggttgtctt ccgtcagata gtatctgctg ttgcttatgt 420
gcacagccag ggctatgctc acagggacct caagccagaa aatttgctgt ttgatgaata 480
tcataaatta aagctgattg actttggtct ctgtgcaaaa cccaagggtg acaaggatta 540
ccatctacag acatgctgtg ggagtctggc ttatgcagca cctgagttaa tacaaggcaa 600
atcata                                           606
```

&lt;210&gt; 1991

&lt;211&gt; 1097

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (905)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (916)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (940)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1031)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1056)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1080)

&lt;223&gt; n equals a,t,g, or c

1262

&lt;400&gt; 1991

```
tcgacccacg cgtccggtgc agtacgagct gtgggccgcg ctgcctggcg cctccggggt 60
cgccctggcc tgtgtcttcg tggcgccggc cgtggccctg cgctgggtccg ggcgccggac 120
ggcggtggcg cgggtggtccg ggcgcgacag aggcagcgag cgggcctgga gaacatggac 180
aggcgccgcg accttccggc tccagaaccc agacctggac tcagagggcg tgctagccct 240
gcccctgcct cagctggtgc agaagttaca cagtagagag ctggccccctg aggccgtgct 300
mttcacctat gtgggaaagg cctgggaagt gaacaaaggg accaactgtg tgacctccta 360
tctggctgac tgtgagactc agctgtctca ggccccagg cagggcctgc tctatggcgt 420
ccctgtgagc ctcaaggagt gcttcacctc caagggccag gactccacgc tgggcttgag 480
cctgaatgaa ggggtgccgg cggagtgcga cagcgtagtg gtgcatgtgc tgaagctgca 540
gggtgccgtg cccttcgtgc acaccaatgt tccacagtcc atgttcagct atgactgcag 600
taacccccctc tttggccaga ccgtgaaccc atggaagtcc tccaaaagcc cagggggytc 660
ctcagggggg gaagggggcc tcategggtc tggaggytyc cccctggggt taggcactga 720
tateggaggc agcatccgyt tcccctctc cttctgcggc atctgcggcc tcaagcccac 780
agggaacccg mctcaatgcg tctctccgtg ggccccatgg cccgggacgt ggaaaagcct 840
ggcacttggt cctgcgaacc ctgcttggtc caaggacatg tttccgcttg gaccaatgt 900
gcctnccctg cccttnaaga agaggtctac accaagtttn aaccctgcg tgtggggtac 960
tatgagaatt gacaactata ccatgccttc ccggcatgaa gcggccctgc ttggaaacaa 1020
acagagctta ngttggggga cacctgcaag ctgcanttct aaacataag ctgtcggtgn 1080
aattggaatt gaacaat 1097
```

&lt;210&gt; 1992

&lt;211&gt; 903

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (745)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (801)

&lt;223&gt; n equals a,t,g, or c

1263

&lt;400&gt; 1992

```

ncnaaattaa ccctcactaa agggaacaaa agctggagct ccaccgcggt gncgtccgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gaggcacctt cttcaagatg 120
gagctttttt aaggcatgcg agagagcacc aagatttcat ctctgttggc agaattggag 180
gcaattcaaa gaaattcagc atcccaaaa agtgtcattg tctctcagtg gaccaacatg 240
ctgaaagtgt tagcattgca cctgaagaag catggactga cttatgccac catcgatggc 300
tctgtcaatc ccaagcagag aatggacttg gtagaggcat ttaaccactc cagaggccct 360
caggtaatgc taatctctct cttggccgga gtgttgggtc aaacctgact ggaggaaatc 420
acctctttct tttggacatg cactggaatc catcacttga agatcaagct tgtgaccgaa 480
tttaccgagt agggcagcag aaagatgttg tcatacacag rtttgtttgt gagggacag 540
tagaagaaaa gatcttacag ctccaagaaa aaaagraaga tttggccaaa caagttctat 600
cagggctctg agaatctgtc accaagctca ccttggctga cctcagagtc ctttttggca 660
tctaacctcc tgtggataag ggctcagaat agcaccattg ctgtgatgtt gcacctgtaa 720
ccatcttttt atgggtggag caganagtca atccctgcag ccacctgca gccagccatc 780
tctgcagttc tctcagtgca ngcagttctt cctctcaggc tgaagatcaa ggagatgctt 840
tgtwcatgaa cagatgctga rtatctgtta tcattgtatt gtttartgtc agtgtatcat 900
tta
903

```

&lt;210&gt; 1993

&lt;211&gt; 2999

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2606)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2996)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1993

```

ttttttttta ttttttgggt tagcatttaa taggcacata atcaacattt actgttcaat 60
tgaaacaaaa ttaaaattgg gcgctgtctc tatctttatt tgtgatcggc cctaactgca 120
ctggcaatct tttccgtttt tttgttttct gttttccatt cgcattgccc ttagcgtacc 180
tggggctccg gctcctttac aaatgaaacc caaagtgtc cgaagcacag ccagcgaaag 240
ganaaactct gaaacggaca agatggctgc cacctcttcg cgcctcttag tccccccac 300
tcagggcgga ggtctgcgtc atgtgacct cccctctctg gctccgctcc taccgcagtg 360
cttgacggga ggcggacggg gaacgaggcc gtcggcattt tgtgtctgct tcctgtggga 420
cgtggtggta gccgttgggt tgggaaagtg agggattttt ggccctcgtt ctctgtcttc 480
ttttctctc ccttttactt tgccggtaga acacagttat gggtcgcaag aagaagaagc 540
agctgaagcc gtggtgctgg tattgtaata gagattttga tgatgagaag atccttattc 600
agcaccaaaa agcaaagcat tttaaatgcc atatatgtca caagaaattg tatacaggac 660
ctggcttagc tattcattgc atgcaggtac ataaagaaac aatagatgcc gtaccaaagt 720

```

1264

caatacctgg aagaacagac atagagttgg aaatatatgg tatggaaggt attccagaaa 780  
aagacatgga tgaaagacga cgacttcttg aacagaaaac acaagaaagt caaaaaaaga 840  
agcaacaaga tgattctgat gaatatgatg atgacgactc tgcagcctca acttcatttc 900  
agccacagcc tgttcaacct cagcaagggt atattcctcc aatggcacag ccaggactgc 960  
caccagtacc aggagcacca ggaatgcctc caggcatacc tccattaatg ccagggtgtc 1020  
ctctctgat gccaggaatg ccaccagtta tgccaggcat gccacctgga ttgcatcatc 1080  
agagaaaata caccagtcga ttttgcggtg aaaacataat gatgccaatg ggtggaatga 1140  
tgccacctgg accaggaata ccacctctga tgccctggaat gccaccaggt atgccccac 1200  
ctgttccacg tcctggaatt cctccaatga ctcaagcaca ggctgtttca gcgccaggta 1260  
ttcttaatag accacctgca ccaacagcaa ctgtacctgc cccacagcct ccagttacta 1320  
agcctctttt cccagtgct ggacaggctc aggcagctgt ccaaggacct gttggtacag 1380  
atttcaaacc cttaaatagt acccctgcaa caactacaga acccccaaag cctacatttc 1440  
ctgcttatac acagtctaca gcttcaacaa ctagtacaac aaatagtact gcagctaaac 1500  
cagcggcttc aataacaagt aagcctgcta cacttacaac aactagtga accagtaagt 1560  
tgatccatcc agatgaggat atatccctgg aagagagaag ggcacagtta cctaagtatc 1620  
aacgtaatct tctcggcca ggacaggccc ccacggtaa tccaccagtt ggaccaattg 1680  
gaggtatgat gccaccacag ccaggcatcc cacagcaaca aggaatgaga ccccaatgc 1740  
cacctcatgg tcagtatggt ggtcatcatc aaggcatgcc aggatacctt cctggtgcta 1800  
tgccccgta tgggcaggga ccgccaatgg tgccccctta ccagggtggg cctcctcgac 1860  
ctccgatggg aatgagacct cctgtaatgt cgcaagggtg ccgttactga tcttacttca 1920  
tccagtctaa taggtttgga gattaaacct tttctcaact tgtgctgttt atatagccaa 1980  
gcttccgtca ataaggcttc attgtgactt taacaaacat tatcttccca cataccagga 2040  
actattggac atttattttta catgggaaaa attatttgga ataataaagc aggaactttt 2100  
cctgaagtgg caattttatac tgtatggctt ctttttcatg tttcatctag gtttttagaa 2160  
gtgaagtata gtaaatttgg ttcgttaaata tgtgaaggcg ctggaattac atgaacatac 2220  
caccctagta aaggcaagtt ctgtaagctt acattgctat ttgtaaagtt tgccttcaca 2280  
gcatttcaga tgctgttggg cttcatgtcc ccaacctagc ttggtgaggg ctgtaactgt 2340  
ttccaagtac ttgtacattg gaagtctgaa tgtgtaacaa tatttaatgt atttagagtt 2400  
cctcatgttg cagggtttta gaaatctgac ccaccaaggt catgtgactt ttctgtactg 2460  
ttaaacttca ttgtaataaa atgagagaaa aatttatgcc tttttattca taaccagct 2520  
gtggaccact gcctgaaagg tttgtacaga tgcagccac agtagatgtc cacataataa 2580  
aattcatagt taccaatgca gtttanatat atcattggat tctgtctttg agttgtaggt 2640  
tatttcttag ctgcatgttt taaactgaat ttgcatagag ttgtatgtta atgtttcagt 2700  
taagagaaaa acttaagata catgagtcac tacataatgg gtatgaaatc tttataatca 2760  
cccttccacc ctctatgggtg tcagtacaca tcacgtgtca tagatactta aatgtaaat 2820  
gttaacactt ttccttccctg ctgagatgtt tagagcctag tgccagacct attcatttcc 2880  
ttttgattat ttttgagact cagtactagc ttcttgtgtt gttaatgggt tattatatat 2940  
tattctaagt gtaatgctga gaatctaaat gtgtctctgt tgggatgggt aacagntga 2999

&lt;210&gt; 1994

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (329)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 1265

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1994

```

gcacaccgcg ctyagcgcc tcaactgccat ccccgctgtc cttgccgccc ccgccatggg 60
cctagagctg tttcttgacc tgggtgtccca gccagccgc gccgtctaca tcttcgccaa 120
gaagaatggc atcccccttag agctgcgcac cgtggatttg gtcaaagggtg ggcccagccc 180
gtttccccgc gtgtccacaa acccagtgc mccccaggcc cccgcctgct ctgccctgag 240
cgtctcgccg ccgcacagcc cctcacctcc tcctgcagcg tctgccacca gagaatgctg 300
tggaactgagt ggcttggagg gatcacagnc tntctgaa 338

```

&lt;210&gt; 1995

&lt;211&gt; 2346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2262)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2344)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1995

```

ggtgccgtct gcctcccagg tgcgcgcttc gctcccggag ccgcggaact cggcggccgc 60
catggcgctc aacatggacc gggagatgat cctggcggat tttcaggcat gtactggcat 120
tgaaaacatt gacgaagcta ttacattgct tgaacaaaat aattgggact tagtggcagc 180
tatcaatggt gtaataccac aggaaaatgg cattctacaa agtgaatatg gaggtgagac 240
cataccagga cctgcattta atccagcaag tcatccagct tcagctccta cttcctcttc 300
ttcttcagcg tttcgacctg taatgccatc caggcagatt gtagaaaggc aacctcggat 360
gctggacttc agggttgaat acagagacag aaatggtgat gtggtacttg aagacacctg 420
tactgttgga gagattaaac agattctaga aaatgaactt cagataacctg tgtccaaaat 480
gctgttaaaa ggctggaaga cgggagatgt ggaagacagt acggtcctaa aatctctaca 540
cttgccaaaa aacaacagtc tttatgtcct tacaccagat ttgccaccac cttcatcatc 600
tagtcatgct ggtgccctgc aggagtcatt aaatcaaaac ttcattgctga tcatcaccac 660
ccgagaagtc cagcgggagt acaacctgaa cttctcagga agcagtacta ttcaagaggt 720
aaagagaaat gtgtatgacc ttacaagtat ccccgttcgc caccaattat gggagggctg 780
gccaaacttc gctacagacg actcaatgtg tcttgctgaa tcagggtctc cttatccctg 840
ccatcgactt acagtgggaa gaagatcttc acctgcacag acccggaac agtcggaaga 900
acaaatcacc gatgttcata tggttagtga tagcgatgga gatgactttg aagatgctac 960
agaatttggg gtggatgatg gagaagtatt tggcatggcg tcatctgcct tgagaaaaatc 1020
tccaatgatg ccagaaaacg cagaaaatga aggagatgcc ttattacaat ttacagcaga 1080
gttttcttca agatatggtg attgccatcc tgtatTTTTT attggctcat tagaagctgc 1140

```

## 1266

```

ttttcaagag gccttctatg tgaaagcccg agatagaaag cttcttgcta tctacctcca 1200
ccatgatgaa agtgtgttaa ccaacgtggt ctgctcacia atgctttgtg ctgaatccat 1260
tgtttcttat ctgagtcaaa attttataac ctgggcttgg gatctgacaa aggactccaa 1320
cagagcaaga tttctcacta tgtgcaatag acactttggc agtgttgtgg cacaaacctat 1380
tcggactcaa aaaacggatc agtttccgct tttcctgatt attatgggaa agcgatcatc 1440
taatgaagtg ttgaatgtga tacaagggaa cacaacagta gatgagttaa tgatgagact 1500
catggctgca atggagatct tcacagccca acaacaggaa gatataaagg acgaggatga 1560
acgtgaagcc agagaaaatg tgaagagaga gcaagatgag gcctatcgcc tttcacttga 1620
ggctgacaga gcaaagaggg aagctcacga gagagagatg gcagaacagt ttcgtttgga 1680
gcagattcgc aaagaacaag aagaggaacg tgaggccatc cggctgtcct tagagcaagc 1740
cctgcctcct gagccaaagg aagaaaatgc tgagcctgtg agcaaactgc ggatccggac 1800
ccccagtggc gagttcttgg agcggcggtt cctggccagc aacaagctcc agattgtctt 1860
tgattttgta gcttccaaag gatttccatg ggatgagtac aagtactga gcacctttcc 1920
taggagagac gtaactcaac tggaccctaa taaatcatta ttggaggtaa agttgttccc 1980
tcaagaaacc cttttccttg aagcaaaaga gtaaacacgg cccagcgggtg gaaccagcca 2040
ttccttgaca agccagcagc ctgcgtcagg agaagggctc ctgcaccaacc caccacacg 2100
ctcgtctcac tcaattcaat gtcacacttc tgctcttgc aaaattgctg gaaaaagtaa 2160
taataaatat agctacttaa gatttcccat ccatgagtat atattcccaa cccttattac 2220
agagaattac aactctggca cccttccta cccctgcact tnacccttct tcaatgacga 2280
atgcattggt caagtgtgag tgatcactaa atagaaattt taccttttca gngcccatct 2340
tttncc 2346

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&lt;210&gt; 1996

&lt;211&gt; 2021

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1996

```

gcccacgcgt ncgcccacgc gtccggcaag aggctgggaa gccatcactt accttgcact 60
gagaaagaag acaaaaggcca gtatgcacag ctttctcca ctgctgctgc tgctgttctg 120
gggtgtggtg tctcacagct tcccagcgac tctagaaaca caagagcaag atgtggactt 180
agtccagaaa tacctggaaa aatactacaa cctgaagaat gatgggaggc aagttgaaaa 240
gcggagaaat agtggcccag tgggtgaaaa attgaagcaa atgcaggaat tctttgggct 300
gaaagtgact gggaaaccag atgctgaaac cctgaagggt atgaagcagc ccagatgtgg 360
agtgcctgat gtggctcagt ttgtctcac tgaggggaac cctcgctggg agcaaacaca 420
tctgacctac aggattgaaa attacacgcc agatttgcca agagcagatg tggaccatgc 480
cattgagaaa gccttccaac tctggagtaa tgtcacacct ctgacattca ccaaggtctc 540
tgaggggtcaa gcagacatca tgatatcttt tgtcagggga gatcatcggg acaactctcc 600
ttttgatgga cctggaggaa atcttgtctc tgcttttcaa ccaggcccag gtattggagg 660
ggatgctcat tttgatgaag atgaaagggt gaccaacaat ttcagagagt acaacttaca 720
tcgtgttgcg gctcatgaac tcggccattc tcttggaact tcccattcta ctgatatcgg 780
ggctttgatg taccttagct acaccttcag tggatgatgt cagctagctc aggatgacat 840
tgatggcatc caagccatat atggacgttc caaaaatcct gtccagccca tcggcccaca 900
aaccceaaaa gcgtgtgaca gtaagctaac ctttgatgct ataactacga ttcggggaga 960
agtgatgttc tttaaagaca gattctacat gcgcacaaat cccttctacc cggaagttga 1020
gctcaatttc atttctgttt tctggccaca actgccaaat gggcttgaag ctgcttacga 1080

```

1267

```

atttgccgac agagatgaag tccggttttt caaaggggaat aagtactggg ctgttcaggg 1140
acagaatgtg ctacacggat accccaagga catctacagc tcctttggct tccctagaac 1200
tgtgaagcat atcgatgctg ctctttctga ggaaaacact ggaaaaacct acttctttgt 1260
tgctaacaaa tactggaggt atgatgaata taaacgatct atggatccag gttatcccaa 1320
aatgatagca catgactttc ctggaattgg ccacaaagtt gatgcagttt tcatgaaaga 1380
tggatttttc tatttctttc atggaacaag acaatacaaa tttgatccta aaacgaagag 1440
aattttgact ctccagaaag ctaatagctg gttcaactgc aggaaaaatt gaacattact 1500
aatttgaatg gaaaacacat ggtgtgagtc caaagraggt gttttcctga agaactgtct 1560
attttctcag tcatttttaa cctctagagt cactgataca cagaatataa tcttatttat 1620
acctcagttt gcatattttt ttactattta gaatgtagcc ctttttgtac tgatataatt 1680
tagttccaca aatggtgggt acaaaaagtc aagtttgtgg cttatggatt catataggcc 1740
agagtgtcaa agatcttttc yagagtatgc aactctgacg ttgatcccag agagcagctt 1800
cagtgacaaa catatccttt caagacagaa agagacagga gacatgagtc tttgccggag 1860
gaaaagcagc tcaagaacac atgtgcagtc actggtgtca ccctggatag gcaagggata 1920
actcttctaa cacaaaataa gtgttttatg tttggaataa agtcaacctt gtttctactg 1980
ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2021

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&lt;210&gt; 1997

&lt;211&gt; 1955

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1997

```

cgggcttccc aggcagaaga gtcganaaaa gctgtctttt tctcacgtca cccagcncag 60
gctcattaag ttcttcancc tcttcccaat cattttcnca atgagcaa at tgactaagag 120
aagcaaaggt ttcttggggg tattaaccag tagtgtggaa atactagttt tatgtggcca 180

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1268

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aggaaaagca aaggcttttc ttttcagttt gtgttatttg gaagacagaa aaacatcttg 240
tctacatcct ttggctgttt gtaggatcac gttgtcctta cgatactgaa actttacagc 300
tgctgtaaat tttttataaa tgaatttcaa aatgttataa tgggactgta ggttggtttt 360
ctacatcttc attatttgga cctaaaacca gtttttaata agaaagttaa tctttactct 420
ttctgaaatt atgactccag aaaaagaaaa aaaaaataca agtcatggaa tcagcaatct 480
ggtaagaaat gctgccaaga atgtggcagt agctgtcctg acagactcca actgtcttta 540
ctatctgaag aatcctaggc tccacatgag aggcagaaat ggatcagtct tattcttttc 600
tagaaatggt tatctgtagt ttggtagcaa aaaaaagaa aaaagaatcc ataattagca 660
gatttcttat taactatttg gatctaattg aaatggcttt attcttagga ttaagaaaga 720
tagatgtgga taccagcca ctcgttccat attggtatct tttaaatcag ctctgcctct 780
taatcaagaa cctaaatatt cctcttttct aatctttgtt ccttctccct acaccctcat 840
cctctttcac tcttcttca taattcctct aagaaaaata tctttgcac agcagtaata 900
tcttttagaa tagcactatc agaatttagc agtaaaccac catacaggct tcagatttac 960
ttctgagtcc aaaacaattt gtgctatcca gggtagttaa ctctgggtta aacaagtaca 1020
gggtatagat tccctcttca ggtctacaca ggaattttta ccatagggaa aagtggggag 1080
agctcaaacy tagttaataa ggaaggtaat ttgtttttct tttacctaaa agaaaagaaa 1140
attccttctg tgactacagg tctctgagaa attatctttc aaaagagatt tcattgctca 1200
taagagtgtt gtggcctatt gataaaaaa attttgttca gtttcttgct ttgaaaaaaa 1260
agtggcctta gctttttgca atacttgaat aaagtgtgta ctgcagaaag aatttctgta 1320
gcacagcatt agagactcat aacttttctg caagaaatac aaacttacat cttcctttta 1380
ctaccttaag aatactagtg aataaaacat taattcaaag agcaaattat agaaactaca 1440
atgacattta atgcaaattg taggaattta catgtttaca aatcatcttc aactggttgt 1500
gcagcaattc aataaaatat ctttgtatta taaaaatgtg aagaaaaaat gtaaactgat 1560
gtaaaggagg tactgtcatt ttaattaacc tatgtttaat agcttttcct tctggacttt 1620
gcaaagcctt cttggcaaac acattgcaaa gcattctctg ggagggttcag cctccttggtg 1680
tgtactgtac tgtgcagaca tgaaaaaata aaccggttta ctgtgtgcgt gtaaatagcc 1740
tggtcatcag gccattttca gccaatagtc acatccagtg caattttgca ccgaacactt 1800
aagggtgtgg tttgtaagta cgatctgtaa aataactggg atgaattccc atgtatacct 1860
gtgtaaatag atttgttaac tgaaatatac ttaagaaag ataaaatctg taaataaact 1920
gatttataaa ttaaaaaaaa aaaaaaaaaa aaaaa 1955

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&lt;210&gt; 1998

&lt;211&gt; 1158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (264)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1998

```

aaaaggaacg tggaatctgg ggaagaagag ctggcgtcca agctggacca ctacaaagcc 60
aaggccacgc ggcacatctt cctcatcagg cattcccagt accacgtgga tggctccctg 120
gagaaggacc gcaactctgac cccgctgggt cgggagcagg ctgaactcac tgggctccgc 180
tggcaagctt ggggttgaaa gtttaataaa atcgtccatt cgtctatgag cgcgccatag 240
agaccaccga tatcatcagc cggncacctg ccaggcgtct gcaaagtcag cacagatctg 300
ctgcgggaag gcgcccccat cgagccagac ccgcccgtgt ctcatggaa gccggaagct 360
gtgcagtatt acgaagacgg agcccggtac gaggcgcct tccggaacta catccaccgc 420
gcagatgccg ggcaggagga ggacagttac gagatcttca tctgtcacgc caacgtcatc 480
cgctacatcg tgtgcagagc actgcagttt cctcctgaag gctggctccg gctctccctc 540

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1269

```

aataatggca gcatcaccca cctggtgac cgacccaacg gccgagttgc gctcaggacc 600
ctcgggggaca cgggggttcat gcctcccgac aagatcactc gatcctgagg gctccggcct 660
ctccttccct ctgtcctccc tgcacaggcc gcacacactt aacgttttgt tcccaaggag 720
accggcggaa agtagaaacc tgcaatgctg catctgggaa ctgacttggt accaggctga 780
gaaggggaga gttgggatca gacagcctga cttctctgca gggttttata cctgaccatg 840
aacccccagg atggcgtggg gtttaagggt aaagcgtctc acgcacaagt caggcctggt 900
gtgggggactt gaaagaggcc tgacccagac caccatgttc gcacccacag ctgaccctgt 960
ctgagggtcc aggctccatt ggcaaagccg gtcaggcacg agggcgactg aggcacgtgg 1020
atgaggaggg caccaggtt ctgttcacaa ctcacttcac ttcatacatc cttttaattt 1080
cttaaaaccc tcttgccct taaatatgtg tcaattaaag attttctggc tgggcaaaaa 1140
aaaaaaaaaa aaagtttt                                     1158

```

&lt;210&gt; 1999

&lt;211&gt; 1127

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (182)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1090)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1999

```

tgtcacagac tacttcatca gtcgcttacc tggagctggg accaagggtt ctgccaggcc 60
ttgggatcag ctcttggggg tcagagcagc cttcccacat cctctggcac tgctgaactt 120
ttgcagcagc tctttcctcc tctyttggat gcccttcgag agcccagggt acgacggatt 180
tncctgccagc ctgcagatcc tgcgcctgtc gccctagggt tctgtaccct tcagaccacc 240
ttgctctggt tcctgggcag agctcagcag tacttggcag catgggaccc agcttccttc 300
ctgctcctga tccaaaagga cttacctmct mtgwtgcatg asgcagaagc tttgtatagc 360
ctggcctcag aggaaagctt asctctggaa tggagcagca gctgggcctg gagatccaga 420
agctgactgc acagatccag ctcctgcctg aagagtcact aagtgtcttt tctcaagaat 480
gtcataaaca agccatgcaa gggttcaagc tctacatgcc acgggggtcgg tactggcggc 540
ttcgtctctg tcctggaact cctcatccca gcttctcctt ccagagttcc aaggggaacc 600
tcccagtgtc ctagtgagt atgctgggtt agtggtccgy accgtactgg agcctgtgtt 660
gcaaggattg caagggttgc cacctcaagc ccaggcccct gcccttggtc aggctctgac 720
ggccatcgtg ggtgcctggc ttgaccacat tcttaccat gggattcggg tcaggtcagg 780
agtaaagggt gaagtggcag ggggtgaatg gaactgggaa aaggaagggg ataagtggga 840
gaggcaggag ggtcaagtgg ccatactgta cctctgcctt cagcctgcag ggagcgtgtc 900
agctcaaaca agactttgga gtggtcaggg agttgtgga agaggagcag tggagcctgt 960
cccctgatct ccgccagacc ctgctcatgc tcagcatctt ccagcagctg gatggggcct 1020
gctgtgtctg ttgcagmagc ccytgcccaa gttcaagtc acaggaggcc ccctgttgct 1080
gtgttgtcan gagtcagac cacgaaattt cccagcagcg cctcaat 1127

```

&lt;210&gt; 2000

&lt;211&gt; 478

&lt;212&gt; DNA

1270

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2000

```

aagaaggagc tcagccacta tctccccacc gagccagctc agcgggcagg gctgggaggg 60
agtgggacag attctgggag tscagcgagg aggagctccg gctggsctga gcgcaggggag 120
ctgcttgmma gtgccagagc ccaggcccca gagccctgct ggagaggagg cagactgagg 180
cagcaggccc cgccagcagg cgaagaggng agatgtcaga ctgctacacg gagctggaga 240
aggcagtcac tgtcctgggtg gaaaacttct acaaatatgt gtctaagtac agcctgggtca 300
agaacaagat cagcaagagc agcttccgag agatgtctca gaaagagctg aaccacatgc 360
tgtcgcatcg ctgaccctgc ttcctcccca ggacacaggg aaccggaagg ctgcgataaa 420
gctcatccag aacctggatg ccaatcatga tgggcgcacg agcttcgatg agtactgg 478

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&lt;210&gt; 2001

&lt;211&gt; 1261

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2001

```

cccacgcgtc cgcccacgcg tccggagctc tccccggtct gacagccact ccagaggcca 60
tgcttcgttt cttgccagat ttggctttca gcttcctggt aattctggct ttgggcccagg 120
cagtccaatt tcaagaatat gtctttctcc aatttctggg cttagataag gcgccttcac 180
cccagaagtt ccaacctgtg ccttatatct tgaagaaaat tttccaggat cgcgaggcag 240
cagcgaccac tggggctctc cgagacttat gctacgtaaa ggagctgggc gtccgcggga 300
atgtacttcg ctttctccca gaccaagggt tctttcttta cccaaagaaa atttcccaag 360
cttctctctg cctgcagaag ctctctact ttaacctgtc tgccatcaaa gaaagggaac 420
agttgacatt ggcccagctg ggcctggact tggggcccaa ttcttactat aacctgggac 480
cagagctgga actggctctg ttctctgggtc aggagcctca tgtgtggggc cagaccaccc 540
ctaagccagg taaaatgttt gtgttgcggt cagtcccatg gccacaaggt gctgttccact 600
tcaacctgct ggatgtagct aaggattgga atgacaaccc ccggaaaaat ttcgggttat 660
tcctggagat actggtcaaa gaagatagag actcaggggt gaattttcag cctgaagaca 720
cctgtgccag actaagatgc tcccttcatg cttccctgct ggtgggtgact ctcaaccttg 780
atcagtgccca cccttctcgg aaaaggagag cagccatccc tgtecccaag ctttcttgta 840
agaacctctg ccaccgtcac cagctattca ttaacttccg ggacctgggt tggcacaagt 900
ggatcattgc ccccaagggg ttcatggcaa attactgcca tggagagtgt cccttctcac 960
tgaccatctc tctcaacagc tccaattatg ctttcatgca agccctgatg catgccgttg 1020
accagagat ccccagggt gtgtgtatcc ccaccaagct gtctcccat tccatgctct 1080
accaggacaa taatgacaat gtcattctac gacattatga agacatggta gtcgatgaat 1140
gtgggtgtgg gtaggatgtc agaaatggga atagaaggag tggtcttagg gtaaattctt 1200
taataaaaact acctatctgg tttatgacca cttagatcga aatgtcaata aaaaaaaaaa 1260
a                                                                 1261

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&lt;210&gt; 2002

&lt;211&gt; 1531

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 1271

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1524)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1530)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2002

```

aaattgcaaa aggtaatatt actagtgttt catacggaca ttttcagaca ccatttttct 60
atatgttttg tgcattttgt tttgctctgt atatagtata tataatggac aaatagtcct 120
aatttttcaa catctagtct ctagatgtta aagaggttgc cagtgtatga caaaggagta 180
aaattagcat attttgtaca ctttgtgttg aaattcgtag gaaaacttgt cttctgtaaa 240
gacttttgca taggaatttg tttgaccatc tctaagcatt acacgtgcct gtacttgtcc 300
actggattga aggcagagaa ggaagggagg agggaaatgat tcaaggccaa aatggccaca 360
tttagaagat acctcagatg ataaccattg ttatgtgtgt gcaattttat ttaacagtgc 420
tgtgtatgtg gtggacaagt tatatgaaat atctagtctt tctagatatt tggaagtgtc 480
tgatgtattt aaaagtggta gtagaataac actttgtaaa tagcttttaa aaactgatgg 540
gaaatgctgt ttggaagtgg aattgtttgaa ccacctggga ggtgggaggg aagaaattgc 600
aaatgggtgt ttgccattgt ttattagaaa atttcagctt aatccattgt gtatatgtta 660
catgcatttc atttaacttt gctatactgt atatattgta tatataacgg acaaattagt 720
cccgatttta taatatctag tctctagata ttaaagaggt tgccaatgta tgacagaagt 780
agagttagta aactaacaca ttttgtacac tttgttaaaa tttgtagaaa ggctgtcttc 840
tgaaaaggac ttttggaagt gagataacat cagctctaag tgacacgtgc ctatatccat 900
caggttggtg gtggagagga gttggaagga atgaagggtt ctagaccaga atgttcgtat 960
ttagaagaca ctatcagata taaccattgt tacatgtgtg tagtttattc aaccctactg 1020
tgtatatagc ggacaaactt aagtccttat ttgaaacatc tagtctttct agatgttttag 1080
aagtgcacaa agtatgttaa aagtagaggt agtaaataac acattttgta gctatccttt 1140
tgatatgaaa tattgtcttg gaaattgatc aattctctga gcagtacca ttttgatatt 1200
tgtgtctggt cagggggaag gaggagcaca aagtgcaaag ggctttctac cagtgtccag 1260
tgtgtttatg aggaggcaca ttgaccattg tcccttatgt ctgcattttc atttactgtg 1320
ctgtgtatat agtgtatata agcggacata ggagtcctaa tttacgtcta gtcgatgtta 1380
aaaaggttgc cagtatatga caaaagtaga attagtaaac tactacatgr gtacactttg 1440
tgttaaaatt cmtagggaag acttcttaaa aacaagtgaa attggtaaac ccccctaagc 1500
ttacagtggg tawagctggc cacnggggtn g 1531

```

&lt;210&gt; 2003

&lt;211&gt; 2333

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2018)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2044)

1272

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2292)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2306)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2331)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2003

```
cacgcgtccg cattttcgta tccctgctga tttcaaacct tcccatgggt tagaagcata 60
acctgtaatg taatgcaagt cccctaactc cctgggttget aacattaact tccttaagta 120
ataatcaatg aaagaaattc tatgcatggg tttgaaataa tgccttgaa agaggaaatca 180
ccattaggaa aggtgagtcg gggctccttg tttaatgtga ctagtggctc atcatcacca 240
gtgacctggg tgggcctact ctcttccag aacctgcatt gcttcccaga cctccccact 300
gagatgcctc taagagccaa aggagtcaac acttgagcct aggggtgggct acaacaaaag 360
attctaattt accttgcttc atctaggtcc agggcccaag tagcttgctg aaggaactta 420
aaaagtagct gttattttatt gtattttata agctaaaaac atttattttt gttgaatcga 480
aacaattcca tgtagcaatc ttttttctgt tcacggtggt tgtgatagaa ccttaaattc 540
cgcaagcatc agttttttga aaaaatggga attgaccgga tagttacagg caaagattat 600
aaatwgctac aacatcattt aacttttata aacatgcctt ctctctattg aagacatctg 660
atatttttgc tggaaagttg gatctatcct cagtaactct gccatggaat tcctgkttcc 720
tggttccaga aaaagaaaag attacatttc tgatcataaa gaatgtcttg catatgggga 780
aatttttcaa aatgaagggg ggtattattt atgtgggcat gggaaaactt ttgccatggc 840
tgtttgcctt agtgggcacg ttttgatgam attggatcag atatatgtag atgctgatat 900
atgggacaca tgtttagggt ttggtgcagt tgcacaaaac tgtgttagtt tatatgttac 960
tgtgttgctt ttattttatt tctccaaagt gtctctttat atttgtttta caatctgtga 1020
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tatagccacg ttgatgagat tacaccagtg cctttgatca tctttaagta tttgagccct 1140
gataaatatt ttggtaacat aatccaaatt agagacttag agctctgggt agcaatcatg 1200
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atgtatcctg atacattgta aaatatttta atttcattgt ggaaaataat gttggataag 1500
gagatatttt tcaactgttaa ctttttagccc atgcattttc ataattttatt tttttcactt 1560
gctgctttat atgacatatg tgacatttga ttattttaaca cttgatgtga tctgcataaa 1620
ccaagttgc acaaccctcc tgctgaagat aaaattgagg ttaaagataa agattttattt 1680
```

## 1273

```

tcatatattgt acagtgatcg gcttcagtga tggtttttgt gggcatttat tgtgtgtgtg 1740
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ttttgattta tatggtttac attttcattg tgtgggccat atttcgttta tactgtttat 1860
ttctcttcaa accttaataa ttataccata aagtgtaat tttatagcaa tgcaaatgtc 1920
taaggaacta caaatatatt ctacgttgta aattcaataa agcttgcttc ctttggcaaa 1980
aaaaaaaaaa aaaaaaaaaa ctcgaggggg ggcccggnac ccaattcgcc ctatagttag 2040
tcgnattaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa ccctggcggt 2100
acccaactta atcgcccttg agcacatccc ctttcgcca gctggcgtaa tagcgaagag 2160
gcccgaccg atcgcccttc ccaacagttg cgcagcctga atggcgaaat gcaaattgta 2220
agcgtaataa ttttgtaaa attcgcgtta aatttttgct aaatcagctc attttttaaa 2280
accccccccc cnaaaaaaaaaa tttttnaaag gggggggggc ccccccccc nng 2333

```

&lt;210&gt; 2004

&lt;211&gt; 2399

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2004

```

ggcagcaggt agaaaccttg aaattttaga aaacatcaat ttcattgccta atgttttgcc 60
tgggtataatt gttgagccca gagactgttt gtacttgaac agttcaggaa gaaaagaagt 120
agaaatgatt tttgttgctg ccacacttcc tacttttttg tatgagctta aacctatgtc 180
ttgaacattt atatcaccat tcttgcccct gaacacaaat gaatttttta tctttatttt 240
atgtctacatt tctatacaat taaatttata ttttcaattg tttgtttgct tgctccatt 300
gggagtcgtt aaagtgtaaa cagggcatag ggactgcaat taaccttgag aacaaaagaa 360
caatttatca ctttaccaaa caacaaaatt cactcttatt gttaataatt cataataaag 420
gcagcaacta tcaattaaat tgagaacaga agtggcaaaa caggcacagt catcaaatt 480
gcaatagcta actgctctat tctgaattat cagcagtagc tgagaactac ccaaagggtt 540
gctgatggcc acagtacaga acgattagtg aattcacggc tgcatgtctg gtttgctcta 600
tttcccaaac tgagtaaata aatgagagct tgctaatacag gactattagg ggttgctagg 660
aaataaaaaa tttgctacta tgggctgtct ccaacctagc aaggagtttg acacaaaact 720
tctattacac acggttaact agcacttaaa acaaatatat ctataagaat ttatcagtag 780
tggctctgatt cgtaggctac cccaaaaccc tgcctagcca atgaagtagc tggaaataga 840
ggaaaggtaa ctgttgccaa ctgattgaac aacttttttg ttctttttat ttgtaacagt 900
gtacccccaa aatctgaggt gtttgagggg tacctccctc tgccaaacac ctagacattt 960
actgaacaga cttttactac gaagtgttaa tggaagtcag ggacccccaa tggagggact 1020
ggctgaagcc atggcagaag aacataaatt gtgaagattt catggacatt tattagttcc 1080
ccaaattaat acttttataa ttttttacat ctatctttac tgcaatctct gaacataaat 1140
tgtgaagatt tcatggacat ttatcacttc cctaataat actcttgga tttcctatgc 1200
ctgtctttac tttaatctct taatcctgtc atcttcataa gctgaggatg tatgtacca 1260
taggaccctg tgatgattgt gttaactgca caaattgkct ataactcatg tgtgtttaaa 1320
caatatgaaa tctgggcacc ttgaaaaaag aacaggataa cagctatgtt caggggaaca 1380
gggagataac cattaggtct ggctgcctga ragccaggca gaacagaacc atatttctct 1440
tctttcaaaa gcaaatagga gaaatatcgc tgaattcttt ttctcagcaa agaacagcct 1500
ggagaaagag agtgtgttcc tagcaggagg tctctgaaat ggctgctctg ggaatgtctg 1560
tcttatacgg atgtagataa gggatgaaat aagccccagt ctcccgtagt gctcccaggc 1620
ttattaggat gaggacattc ccacctataa aattttggct agaccagttg tctgctctca 1680
aacctgtct cctgataaga tgttatcaat gacgatgcgt gccagtgga acatgcaact 1740
tcattagcat ttttaatttc accccagtcg tgtgatctcg ccctgsctyc atttgcttgc 1800
tgatatttta ttaccttatg aagcatgtga tctctgtgac ccgacccctt tctgtctttt 1860
ctggagggtg aggaccctg aacccttgc ctccacggca cgagctcgtg ccgttttttc 1920
ctgttttttg attttatgta aataaacaga gtcataaatt tgacactctc aaaatatccc 1980

```

## 1274

```

ccatcagatt catgtaagac ttttattttg gtgatacttc tccacaacca tcgcactaca 2040
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tcttctgtgg tctggagata attcttatca tattagcacc ttagatgtaa ttgccagtat 2160
tcatgatatg ttaaaaaatt attaaatgtc tactaaattt gctacagctt agctacttca 2220
cgagactcta aaattcgggt ccctgtctata ctcttaaatt tcaaatataa acatatatac 2280
ctcttccctt gataaaatct tacttccgat ctgtatcttt tcttgacact ttccttctct 2340
tgacactttt ggttgactgg gtctgtatgt tgaaatgtct gccttgatag atactcgag 2399

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&lt;210&gt; 2005

&lt;211&gt; 1916

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2005

```

gtgtgagagg cctctctgga agttgtcccg ggtgttcgcc gctggagccc gggtcgagag 60
gacgaggtgc cgctgcctgg agaatcctcc gctgccgtcg gctcccggag cccagccctt 120
tcctaacca acccaaccta gccagtcgcc agccgccagc gcctgtccct gtcacggacc 180
ccagcgttac catgcatcct gccgtcttcc tatecttacc cgacctcaga tgcctccctc 240
tgctcctggg aacttggggt tttactcctg taacaactga aataacaagt cttgatacag 300
agaatataga tgaaatttta aacaatgctg atgttgcttt agtaaatttt tatgctgact 360
ggtgtcgttt cagtcagatg ttgcatccaa tttttgagga agcttccgat gtcattaagg 420
aagaatttcc aaatgaaaat caagtagtgt ttgccagagt tgatttgtat cagcactctg 480
acatagccca gagatacagg ataagcaaat acccaaccct caaattgttt cgtaatggga 540
tgatgatgaa gagagaatac aggggtcagc gatcagtga agcattggca gattacatca 600
ggcaacaaaa aagtgacccc attcaagaaa ttcgggactt agcagaaatc accactcttg 660
atcgacgcaa aagaaatata attggatatt ttgagcaaaa ggactcggac aactatagag 720
tttttgaacg agtagcgaat attttgcatg atgactgtgc ctttctttct gcatttgggg 780
atgtttcaaa accggaaaga tatagtggcg acaacataat ctacaaacca ccagggcatt 840
ctgtcccgga tatggtgtac ttgggagcta tgacaaattt tgatgtgact tacaattgga 900
ttcaagataa atgtgttctt cttgtccgag aaataacatt tgaaaatgga gaggaattga 960
cagaagaagg actgcctttt ctcatactct ttcacatgaa agaagataca gaaagttag 1020
aaatattcca gaatgaagta gctcggcaat taataagtga aaaaggtaca ataaactttt 1080
tacatgccga ttgtgacaaa tttagacatc ctcttctgca catacagaaa actccagcag 1140
attgtcctgt aatcgctatt gacagcttta ggcatatgta tgtgtttgga gacttcaaa 1200
atgtattaat tcctggaaaa ctcaagcaat tcgtatttga cttacattct ggaaaactgc 1260
acagagaatt ccatcatgga cctgacccaa ctgatacagc cccaggagag caagcccaag 1320
atgtagcaag cagtcacact gagagctcct tccagaaact agcaccagat gaatatagg 1380
atactctatt gagggatcga gatgagcttt aaaaacttga aaaacagttt gtaagccttt 1440
caacagcagc atcaacctac gtgggtgaaa tagtaaacct atattttcat aattctatgt 1500
gtatttttat tttgaataaa cagaaagaaa ttttggggtt ttaatttttt tctccccgac 1560
tcaaaatgca ttgtcattta atatagtagc ctcttaaaaa aaaaaaaaaa cctgctagga 1620
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aatcaaatga aaggtgacat tgccagaaac ttaccattaa cttgcactac tagggtaggg 1740
aggacttagg gatgtttcct gtgtcgtatg tgcttttctt tctttcatat gatcaattct 1800
gttgggtatt tcagtatctc atttctcaaa gctaaagaga tatacattct ggatacttgg 1860
gaggggaata aattaaagt ttcacactga aaaaaaaaaa aaaaaaaaaa ctcgta 1916

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&lt;210&gt; 2006

&lt;211&gt; 1073

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1275

&lt;400&gt; 2006

```

cttattggat cccccgggg cttgcagaaa ttcggcacga ractcatct caggccacac 60
aggattccat tcatcgaaca ttcttgagac aacggaattc tggatgatga gcacagggtca 120
gtgggtggcca gggggccagggt gtggctatga aggggtggct gccttgtagc acccttgagg 180
cccgtgcaag ctgttggcat gtcaacagtt agctgcttct cattgctgag tggcgattgg 240
tcctgtcatg gtttattcag ccatgtgggtg gatggcaact tgtcttctaa gccacttgcc 300
ttctgattgc tggactgact ctctcgccct ctcttggtgc agccctcggg aggtcagtc 360
acactctccg agagcacagc catcatctcc aatggcatca caggcctggg cacatgagat 420
gctgccctct acctggcaga atgggccatc gagaaccggg cagccttctc tcataggtga 480
cctcggggcg cacggcagga caccgaggca ggctcaccct ggtgcagtta cagacatggg 540
cccctttcct cccgccagga ctgtcctaga gcttggcagt ggcgccagcc tcacaggcct 600
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cctcgagaag ctctgaggga atgtccttct caatggcctc tcattagagg cagacatctc 720
tgccaactta gacagcccca ggtgacagt ggcccagctg gactgggacg tcgcgacggg 780
ccatcagctt tctgccatcc agccagatgt tgtcattgca gcaggcaatg cccagcccca 840
ggactctgtg caggcgggtgt ccttgcagct ctaccagct ctgggctctg ggaaaaggga 900
acaatggacg ctgtcgggca tggacatgat ggggcttcca gaagagttac tctgggcctc 960
cagggtgaca tcaaaggaca ggggtgcctc ttaagggtgac cttccagcca cagccctctt 1020
gttgagaca ggcatactcc cattacagtc atcaccacat ggctctgtcc cag 1073

```

&lt;210&gt; 2007

&lt;211&gt; 3711

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (144)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2007

```

ttcgagggtcg gccgcgtggc tggaagacat ggccactcca gtcggtgttg agcacggcga 60
gcagtctcag gccttttagtg atgatgggtgc agtcagcctc agtttccaaa gccggaaaag 120
gatectctag tagccacggt gtgncagctg ctctgaacca ggacctggac ccggacccaa 180
agtgccatgt ctttaatggt agtcccagc gatgccagat gggatcagca cagccctgcc 240
tctgctgcta attgttcctc taaagtaatc gccatgcgtt ctttgggctt catctttaaa 300
ggaatgaagc aactgagatt attctggaac accttttggc agttagttaa attagagtac 360
aactaagaac attttcagac ctccactgtg gatgacctgg gtataatctc acaaatcgat 420
gggactgcaa ggattgtaaa ctgaaatgaa catgattata ctctgttgga agagcctaag 480
aggaaactga tgccatgagt ttcagagagt aatgcttaac cccagttaca caggatgccg 540
tcttggtgtt cctcttggtt agttaccac tacagtgatt ttgtgatctg ctaatgggtt 600
gccaccaca accattgctt tagcactttt acttcaaatc aatgaaggat tgataaaagt 660
tctcctgggt tctccgcaga gtgccttcca ggaacagatc tttgcataga atatcagtgg 720
tttccctttt tgtttcaaat agtggtcaga aaatacccag tgttgactca ccaaggcaat 780
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ttttatttta ttttttgaga cggagttcca ctctgtcgcc aggttgaggat gaagtggtag 900
aatcttggct cactgcaacc tccacctccc gggttcaagc aattctcctg gctcagcctc 960
ctgagtgtg ggaactacagg cgcgtacctt ctttagtaga gactgggttt caccatgttg 1020
gccaggatgg tctctatctc ctgacctgtg gatctgcctg cctcagcttc ccaaagtgtc 1080
gagatgacag gtgtgagcca tcagaccag cattttttt ttttaattta atttaaattt 1140

```



## 1276

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ttttcatttt tttgagaggt tttttttggt ttgttttggt gttgttggtg ttgttggtgt 1200
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ctctacctcc caggttcaag caattcttgt gcctcagcyt cccaagtaac tgggactaca 1320
gggtgcacgt accacacctg gctgattttt tttgttttag tagagacagg gtttcaacca 1380
tggtgcccag gttggtctca aactcctgag ctccaggcaat ccaccgcct tggcctccca 1440
aagtgttagg attacaggtr tgagccacca caccagcta ttttttcttt cgttttttaa 1500
ttttaaagt ggggggggtc tcaatttggt aycctggctg rtctcgaact cccggactta 1560
agcgatcctc tggctccaag cccactacca gtctcagggt tctttactaa aagatcacta 1620
cctttttttc tcttatctgc tgccatgtga gatgtggctt tcaccttccg ccatgattgt 1680
gaggccttcc cagccacgtr gaactgtaag tccaataaac ctcttttgta aattaaaaaa 1740
aaaaaatcac tatttaagat actaggatgg attgtgactg ttgaggagta cttacatatt 1800
ctacatttga ctacattatt tccaaaccaa gtattccatc caaaggaaca tactgtctatc 1860
atagagacca agggaggact gtttaagggt gccaaagtga agcgagctga gaggctttgt 1920
cctcgtgcca gtaactctga aatctctctt aattcctgct gtccaggcag cagaatgcc 1980
tggtttcccc aagtaggtag ctgcttttag agttaaagcc caaatgtctg ttctgttgat 2040
cagaggtctc tgaattctg aagtgggtgt tcgtttctgg tgactgagtt aatcctttac 2100
aatcctctct gtaaagtgtg ctaatagaaa gaatccacct ttcaaagctg cagaaccaga 2160
ccgtgcccta aattgaccaa cgtarctgat gtgctcagg aagtctcttg ccagctgtcc 2220
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ggacaagctg ggtgtccta tattgaacag acctcgatga aaatcttgaa ttcacccag 3060
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gatcgtggtt tgcataaaat atcaatggct tcatttttctg ttcgaaatag tggtcggaaa 3300
atttccagta gttgcttgtg atgaatccat aggcactgac ctggtcacag gtatgcmaag 3360
ctgtcagcag catgagagcc ccggtactag gcatatatag gtctccaaaa tgtgtgttaa 3420
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tgaatttact ggcagaggct tctggtccaa aataggcgtg cggcctagga cccatgatag 3540
aagtggacag agcggccaga gccgtcgat tgcaaggggg agatggaggg gagggtcagg 3600
gcgcgggagt agccgcgta ccctgagcgg taggagcggg gctgtccctt ttatctaggc 3660
cctcaggggac aggcacgccc agaattggcg atctcagcat cacatagtcg c 3711
```

&lt;210&gt; 2008

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1277

&lt;222&gt; (434)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2008

```
agatttactg tgcgctgctg ggctgcatgg acgactacac cacggacagc agaggggacg 60
tgggcacctg ggtccgcaag gccgccatga ccagtctgat ggatctgaca cttctgctgg 120
ctcggagcca gcctgagctg atcgaggccc atacctgtga gcgcatcatg tgctgtgtgg 180
cccagcaggc cagtgagaag attgaccgtt tccgtgctca cgccgccagc gtgttcctga 240
cgctcctgca ctttgacagc cctcccatcc cccacgtgcc ccaccgagga gaactggaaa 300
agctgtttcc caggtccgat gtggcctccg tgaactggag tgcamcttcc caggcyttcc 360
cacgcataac castccttgg gtkgccacyt acggtwacam gtcctggtgg gggtagtcgt 420
gtccttggcg gttnaggatg acgatccgga ttcaccaagc ttttataa 468
```

&lt;210&gt; 2009

&lt;211&gt; 839

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2009

```
gagatggggn tccaaaagcc ccacagcact gccaatattc ctggagctca ctgccggagt 60
tctagcattt gttttcaaag actggatcaa agaccagctg tatttcttta taancaacaa 120
catcagagca tatcgggatg acattgattt gcaaaacctc atagacttca cccaggaata 180
ttggcagtg cgtggggcct ttggagctga tgattggaac ctaaataatt acttcaattg 240
cacagattcc aatgcaagtc gagagcgatg tggcggtcca ttctcctgct gactaaaga 300
tcccgcagaa gatgtcatca aactgagtg tggctatgga tgccaggcaa aaaccagaag 360
ttgaccagca gattgtaayc tacacgaaag gcygtgtgcc ccagtttgag aagtggttgc 420
aggacaattt aaccatcggt gctggtatct tcataggcat gcattgctgc agatatttgg 480
gatatgccct ggcccagaat tkggtttagc atatacgaagc tgtcagggcg agctggtaga 540
ccccctgcaa ccgstgctgc aagacactgg acagaccag ctttcgggac cctccgcgct 600
gccgaactga tcttcgagct gcatggacct aatcacagat gcagcctgca gtctcgcta 660
atggagctgc cattagggga gtgtaaaact gggaaatgct gtcactgac agaattaaaa 720
aaaaaaataa ccagtatgaa agtcgttgcg ccgtgaatct ctactgtagc catgaattta 780
tggacagtta gatgcttacc aaaaaaaaaa aaaaaaaact cgagggggggg cccgtaccc 839
```

&lt;210&gt; 2010

&lt;211&gt; 813

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2010

```
tcgacccacg cgcccggtc cccgagccct gccaacatg gtgaacttgg gtctgtcccg 60
```

1278

```
ggtggacgac gccgtggctg ccaagcaccc gggactcggg gagtatgccg catgccagtc 120
acacgccttc atgaagggcg ttttcacctt cgtcacaggc accggcatgg cctttggctt 180
gcagatgttc attcagagga agtttccata ccctttgcag tggagcctcc tagtggccgt 240
ggttgacggc tctgtggtca gctacggggt gacgagagtg gagtcggaga aatgcaacaa 300
cctctggctc ttcctggaga ccgggcagct ccccaaagac aggagcacag atcagagaag 360
ctaggagagc tccagcaggg gcacagagga ttgggggcag gaggagtctg gaacacagcc 420
ttcatgcccc ctgacccag gccgaccctc cccacaccct agggtagccc agtcgtatcc 480
tctgtccgca tgtgtggcca ggcctgacaa acacctgcag atggctgctg cccaacctg 540
ggacctgcc aggaggttg agcagaaagg gctctccctg ggggtggtgt tctcctctag 600
ggtattggga tgcattgttct gactgccag cagagagggt gtgtctgggg gccaccacct 660
atgggacacg gggtcgaagg ggcctgtaca ctctgtcatt tcctttctag cccctgcac 720
tccaacaagt ccaaggtgac agctggtgct aggggcgtgg ggttaataaa tggcttatcc 780
ttctctccaa aaaaaaaaaa aaaaaawaaa aaa 813
```

&lt;210&gt; 2011

&lt;211&gt; 994

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2011

```
aaaggcgaaa ggccccattt attgttgctc ttttacgccc cagcttacct taggctcgg 60
gttgtttgga tttgaacgaa caattcccca gaaacgtatg ccatattcga ttaatcgatc 120
gtatagggat ttgccctgag ccaagatcgc caaggaggag atcttcgggc cagtgatgca 180
gatcctgaag ttcaagacca tagaggaggt tgttgggaga gccaacaatt ccacgtacgg 240
gctggccgca gctgtcttca caaaggattt ggacaaggcc aattacctgt cccaggccct 300
ccaggcgggc actgtgtggg tcaactgcta tgatgtgttt ggagcccagt caccctttgg 360
tggctacaag atgtcgggga gtggccggga gttgggcgag tacgggctgc aggcatacac 420
tgaagtgaag actgtcacag tcaaagtgcc tcagaagaac tcataagaat catgcaagct 480
tcctccctca gccattgatg gaaagtccag caagatcagc aacaaaacca agaaaaatga 540
tccttgctgt ctgaatatct gaaaagagaa atttttccta caaatctct tgggtcaaga 600
aagttctaga atttgaattg ataaacatgg tgggttggtg gagggtaaga gtatatgagg 660
aaccttttaa acgacaacaa tactgctagc tttcaggatg atttttaaaa aatagattca 720
aatgtgttat cctctctctg aaacgcttcc tataactcga gtttataggg gaagaaaaag 780
ctattgttta caattatata accattaagg caactgctac accctgcttt gtattctggg 840
ctaagattca ttaaaaacta gctgctctta aaaaaaaaaa aaaagggcgg ccgctcgcga 900
tctagaacta gtccggacgc gtgggtcgac ccgrgaattc cggaccggta cctgcaggcg 960
taccttctat agtgagtcgt attagagctt gccg 994
```

&lt;210&gt; 2012

&lt;211&gt; 1770

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (674)

1279

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (694)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2012

```
gnatgaacac caactggcca gcctcgggtgc aggtcagcgt caatgccacg ccgctcacca 60
tcgagcgtgg cgacaacaag acctcgcaca agccactcta cctgaagcat gtgtgccagc 120
caggccgcaa caccatccag atcacccgtca ccgcctgctg ctgctccac ctcttcgtgc 180
tgcagctagt gcaccgcccc tccgtccgct cgggtgctgca gggcctcctc aaaaagcgcc 240
tcctgcctgc tgagcactgc atcaccaaga taaagcggaa cttcagcagc ggcaccatcc 300
ctggcacccc tgggccccaac ggagaggacg ggggtggagca gacagctatc aaggtgtccc 360
tgaagtgtcc catcaccttc cgcaggatcc agtccctgc ccgaggatc gactgtcgcc 420
acatacagtg ctttgacctg gagtcgtacc tgcagctcaa ctgtgagcgg gggacttggg 480
gggtgtcctgt gtgcaacaag acagctttgc tggagggcct ggaggtggac cagtacatgc 540
tgggcatcct gatttacatt cagaactctg actatgagga gatcaccatc gacccacgt 600
gcagctggaa gccagtgtcc gtgaagcctg acatgcacat caaggaggag ccggatgggc 660
cagcactkaa gcgntkccgm accgtgagcc ccgcccagct gctyatgtcc agcgtgatgg 720
agatgatcgc cgccctgggy cccggcgctg cccctttgc cccctgcag cccctcag 780
tccctcccc agcgtcccg cagtccttg gccaaagcag cttaggacct acgggtgaac 840
tggccttcag tcctgccaca ggcgatgagg gsmccccag catgtctgga gccggggagg 900
ccccagaacc agctctggac ctgctcccg aactgaccaa ccctgatgag ctactgtcct 960
acttggggcc acccgacct cctacgaaca acaatgacga cctgctttct ctgtttgaga 1020
acaactgatc ctgtgtttac cccaagcccg gcggggacac gtcacagat gtcaccacag 1080
ccctgccctt catgcccag cccatgggac acccggtgg ctttcccaa cctcccca 1140
aacacacctg gagccagagc cttctgccgc cagccctgcc cctgaattgg aagcagccct 1200
gtgctcgatg ggaggggctc ccaggccggc agcccttgc acctccctc gccaaacctg 1260
ctgctgcaga acggtttttg ctgaggtgcc cctgccagc cctgtccagc cttgtccaca 1320
cacacatctc acgcccctgg tctcacagcc tcacacctg tccttcacc cctgcctgcc 1380
cccaccagc ctgcttcttg tccagcattg atccttctgt ttcaacaact cctccactgg 1440
gcagagctgg gcatctggca gggctggctc tgtcccctgg gcctttggct ccagtggccc 1500
ctgtgccag cagtccagct cttggaacct cgctgaatgg cagcctcttg ggggcctgga 1560
gctctggcag cccagccgtg tgtggtgtca ggttcctct cccaccag cttcaagcag 1620
aggcctcggg gtgggggagc taaaaagcac aacaatgtac atagtgtaga aacaytaaca 1680
gctgggagag gggagccagc tgccagcca gcatgttct gttgtrymtc cygtctgtgc 1740
cgatctctat taaaggactc cctcttgaaa 1770
```

&lt;210&gt; 2013

&lt;211&gt; 707

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1280

<222> (31)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (468)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (641)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (686)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (697)  
 <223> n equals a,t,g, or c

<400> 2013  
 gctgtgctct gcccttcagn cccctgccag naccaccacc agccccctgg tgcctgctgc 60  
 cccagctgtg acagctgcac ctaccacagc caagtgtatg ccaatgggca gaacttcacg 120  
 gatgcagaca gcccttgcca tgcctgccac tgtcaggatg gaactgtgac atgctccttg 180  
 gttgactgcc ctyccacgac ctgtgccagg cccagagtg gaccaggcca gtgttgcccc 240  
 aggtgcccag actgcatect ggaggaagag gtgtttgtgg acggcgagag cttctccac 300  
 ccccgagacc cctgccagga gtgccgatgc caggaaggcc atgcccactg ccagcctcgc 360  
 ccctgccccca gggccccctg tgcccacccg ctgcctggga cctgctgccc gaacgactgc 420  
 agcggmtgtg ccttttgccg gaaagagtac cccagcggag cggacttncc ccacccctct 480  
 gacccttgcc gtctgtgtcg ctgtctgagc ggcaacgtgc agtgccctggc ccgccgctgc 540  
 gtgccgctgc cttgtccaga gcctgtcctg ctgccgggag agtgctgccc ggaatggccc 600  
 aagccgcccc gcccccgcc ggctgcccac gggcccgggc ncgggccaac ggccccggcca 660  
 ccaaggaagt accttttttc cccggncccc ggcgatnccc ttggccg 707

<210> 2014  
 <211> 2440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (28)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (49)  
 <223> n equals a,t,g, or c

## 1281

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2325)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2326)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2421)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2014

```
gattctgtgg aataccggta ttaccgcntt tgagtaactg ataccgctng cgcagccgaa 60
cgccgagcgc agcgagcagt agcgaggaag cgnaagagcg cccaatacgc aaaccgcctc 120
tccccgcgcg ttggccgatt cattaatgca gtggcacgac aggtttcccg actggaaagc 180
gggcagtgag cgcaacgcaa ttaatgtgag ttagctcact cattaggcac cccaggcttt 240
acactttatg cttccggctc gtatgttgtg tggaattgtg agcggataac aatttcacac 300
aggaaacagc tatgaccatg attacgcaa gctcgaaatt aaccctcact aaagggaaca 360
aaagctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc cggggctgca 420
ggaattcggg wcgagctaag ctgcagtgat gttgcctata tttaaatttt ctcaaattggc 480
caagctctga tggctacttt tatttgagca atagttgaga cttataattg cctataaata 540
aacaacaaaa tgaactattt gttttttttt ctcaaacat ctggcctata ttgtctgtca 600
ggaagccatg gctccaatgt aaagtacata gttctttacat acttcaactg cagctgggtcc 660
ctgacctcac caggtttcag agatgttctt aaaggaagcc agctgtggca ggtcacagat 720
tcatgggaaa tggaaagaac caaggaatat agctcttgcc tcacctttct acccactgca 780
gatatagttc aagccagagt aatggaagaa cttaacttac tagcctctca ggctgctcct 840
atcectacct cccagtgtac agccccctcc catctcttta gtcccccttc cctcacttcc 900
ccttttataa tgtcacacaa atcagggaca gtaggatcac attataacct actttgtcat 960
agggatccga tttttcttat atcaaatcat gtttcctgaa acccagctgg ggcatatgca 1020
ctcaatgtct aatacatact tattaatgta ccggatattg gccttgcccc tggatatcag 1080
caatatatta taaaaggttc cagtagatga gacgattgag tctgaatata attgcagtaa 1140
attgtgccaa taaagatatt gtactgttac ggtcttagag ttaaagccgc ttgaatgcag 1200
catgcacatt catgtaaaac gacaatcagg gtaggcctag aataaccaca aaaattctat 1260
tggccttact gcagccacct atatgtagaa caatggagga gatagtttgt ggtccattat 1320
tgtaccctgt ttcattccatt agcatcagaa tctctctttc aggtcattta ttaaatatga 1380
ttgaaatgtt taaaagtctc tgaacatgat tcatgatgat taaaatatca tacaactgat 1440
aaaagacttt aagaacttta tatatttctt gttgcctcaa aatgtaacag aaattattct 1500
tagagctttg atttttagcta tcctaattac tgcaaataaa tatttgttct tatagtttta 1560
aatcaaaaag aaaagtcttg ttataaaacc ttaagcttga aatcatatta ataaaaata 1620
ttgtacatag tggaaaattt tcagtagcta atttaaaatt tcagaaaatg ctattaaaga 1680
attttgatcc aagtatttaa actgttttagt tatgcatgct tcttattaac cgaaaatgat 1740
```

## 1282

```

aataccattt agtttagtga tcagtatgag aagcaatacc taatcctatg ttgctattgt 1800
atTTTTtctt agttggtgtg cctgctcaga aaaacatata ctgtatgtgt atacatacct 1860
gtgtatatat aaaaggtcaa tttatatatt tttctatagg aaaatggagt aacaagttcc 1920
ctatctccca tatttatttg tccatagtaa aatggccaca ttgatgataa tttctagaac 1980
tagtttctga gattgtcagc cctttgtcta aaataatggc agtattaatg attgacttct 2040
gtcactgcc a tagttacctg gattgtcagc cttggttagcc tttgtctaaa gtcctaaaga 2100
gttccaaaaa aaatgtgttg aaatttaatt gctaaatagt gggttggtgat tctttacagt 2160
aggaattgta ataattttct tgcaaaataag ttatttactg ctattgatat tgaataattt 2220
gtcttttatt cagatatatt tcaaaaagca tgaatatatg attattcata aattgtatac 2280
tttaccagta agttttcaga ggaaataaag acttttaaat ccttnnaaaa aaaaaaaaaa 2340
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2400
aaaaaaaaaa aaaaaacccc ngggggggcc ccsccccca 2440

```

&lt;210&gt; 2015

&lt;211&gt; 3302

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2015

```

gcggcacgag cgccacsyg tcctgcrgea ctggatgctt tgtgagttgg ggattgttgc 60
gtcccatatc tggaccaga agggacttcc ctgctcggtt ggctctcggt ttctctgctt 120
tcctccggag aaataacagc gtcttccgag ccgcgcagtg agcctccggg ccgccgcgag 180
tgtccctttc cttcctggcg ctttctctgg ttgcttctgg cggccatggt gttgctgctg 240
tactccttct ccgatgcctg tgaggagcca ccaacatttg aagctatgga gctcattggt 300
aaacaaaaac cctactatga gattggtgaa cgagtagatt ataagtgtaa aaaaggatac 360
ttctatatac ctctcttgc caccatact atttgtgatc ggaatcatac atggctacct 420
gtctcagatg acgctgttta tagagaaaca tgtccatata tacgggatcc tttaaatggc 480
caagcagtc ctgcaaatgg gacttacgag tttgggtatc agatgcactt tatttgaat 540
gagggttatt acttaattgg tgaagaaatt ctatattgtg aacttaaagg atcagtagca 600
at ttggagcg gtaagcccc aatatgtgaa aaggttttgt gtacaccacc tccaaaaata 660
aaaaatggaa aacacacctt tagtgaagta gaagtatttg agtatcttga tgcagtaact 720
tatagttgtg atcctgcacc tggaccagat ccattttcac ttattggaga gagcacgatt 780
tattgtgggtg acaattcagt gtggagtcgt gctgctccag agtgtaaagt ggtcaaatgt 840
cgattttccag tagtcgaaaa tggaaaacag atatcaggat ttggaaaaaa attttactac 900
aaagcaacag ttatgtttga atgcgataag ggttttttacc tcgatggcag cgacacaatt 960
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tcttccacta caaaatctcc agcgtccagt gcctcaggct ctaggcctac ttacaagcct 1080
ccagtctcaa attatccagg atatcctaaa cctgaggaag gaatacttga cagtttggat 1140
gtttgggtca ttgctgtgat tgttattgcc atagttgttg gagttgcagt aatttgtgtt 1200
gtcccgta ca gatatttca aaggaggaag aagaaagga aagcagatgg tggagctgaa 1260
tatgccactt accagactaa atcaaccact ccagcagagc agagaggctg aatagattcc 1320
acaacctggt ttgccagttc atcttttgac tctattaaaa tcttcaatag ttgttattct 1380
gtagtttcac tctcatgagt gcaactgtgg cttagcta at attgcaatgt ggcttgaatg 1440
taggtagcat cctttgatgc ttctttgaaa cttgtatgaa tttgggtatg aacagattgc 1500
ctgctttccc ttaaataaca cttagattta ttggaccagt cagcacagca tgctgggttg 1560
tattaaagca gggatatgct gtattttata aaattggcaa aattagagaa atatagttca 1620
caatgaaatt atattttctt tgtaaagaaa gtggcttgaa atcttttttg ttcaaagatt 1680
aatgccaaact cttaagatta ttctttcacc aactatagaa tgtattttat atatcgttca 1740
ttgtaaaaag cccttaaaaa tatgtgtata ctactttggc tcttgtgcat aaaaacaaga 1800
acactgaaaa ttgggaatat gcacaaactt ggcttcttta accaagaata ttattggaaa 1860
attctctaaa agttaatagg gtaaattctc tattttttgt aatgtgttcg gtgatttcag 1920

```

## 1283

```

aaagctagaa agtgtatgtg tggcatttgt tttcactttt taaaacatcc ctaactgatc 1980
gaatatatca gtaatttcag aatcagatgc atcctttcat aagaagtgag aggactctga 2040
cagccataac aggagtgcc aatcatggtg cgaagtgaac actgtagtct tggtgttttc 2100
ccaaagagaa ctccgtatgt tctcttaggt tgagtaaccc actctgaatt ctgggttacat 2160
gtgtttttct ctccctcctt aaataaagag aggggttaaa catgccctct aaaagtaggt 2220
ggttttgaag agaataaatt catcagataa cctcaagtca catgagaatc ttagtccatt 2280
tacattgcct tggctagtaa aagccatcta tgtatatgtc ttacctcatc tcctaaaagg 2340
cagagtacaa agtaagccat gtatctcagg aaggtaactt cattttgtct atttgctgtt 2400
gattgtacca agggatggaa gaagtaaata tagctcaggt agcactttat actcaggcag 2460
atctcagccc tctactgagt cccttagcca agcagtttct ttcaaagaag ccagcaggcg 2520
aaaagcaggg actgccactg catttcatat cacactgtta aaagttgtgt tttgaaattt 2580
tatgtttagt tgcacaaatt gggccaaaga aacattgcct tgaggaagat atgattggaa 2640
aatcaagagt gtagaagaat aaatactgtt ttactgtcca aagacatgtt tatagtgtct 2700
tgtaaatgtt cctttccttt gtagtctctg gcaagatgct ttaggaagat aaaagtttga 2760
ggagaacaaa caggaattct gaattaagca cagagttgaa gtttataccc gtttcacatg 2820
cttttcaaga atgtcgcaat tactaagaag cagataatgg tgtttttttag aaacctaat 2880
gaagtatat caaccaaata cttaaatgta taaaataaat attatacaat atacttgtat 2940
agcagtttct gcttcacatt tgattttttc aaatttaata tttatattag agatctatat 3000
atgtataaat atgtattttg tcaaatttgt tacttaata tatagagacc agttttctct 3060
ggaagtttgt ttaaatgaca gaagcgtata tgaattcaag aaaatttaag ctgcaaaaat 3120
gtatttgcta taaatgaga agtctcactg atagagggtc tttattgtct atttttttaa 3180
aaatggactc ttgaaatctg ttaaaataaa attgtacatt tggaraaaaa aaaaaaaaaa 3240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3300
aa                                                    3302

```

&lt;210&gt; 2016

&lt;211&gt; 379

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2016

```

caggcaggca ggctgagggc attgccaagg actaaaacca gtagagcaac ctctggccat 60
gtcaccctcg cagtacagct ttatggcggg catccacttt gcggggctca aggccgtggg 120
cgagtcggtg cagaagcctc tggattatta cagagttaac ctgaccggga ccatccagct 180
tctggagatc atgaaggccc acgggggtgaa gaacctggtg ttcagcagct cagccactgt 240
gtacgggaac cccagtaaac ctgccccttg atgaggccca cccacgggtg twtgttacca 300
accyttamgg saattccaat tyttcatcga ggaangancc gggactgtgc caggcagaca 360
agattggaac gcatcttgg                                     379

```

&lt;210&gt; 2017

&lt;211&gt; 2056



1284

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2038)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2054)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2017

```
gccttagctt tcagtgtagc tgggactaca ggtgtgaaca cagcttggaa atctcttaac 60
catgggagtt aagtcctaaa attctgggtga tacaagtggt tgaaacttaa aactgtatct 120
aaaaaatagg attcgtgaat ttgagatagt tcataagtct gcaaaaggct gtataaatac 180
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&lt;210&gt; 2018

1285

&lt;211&gt; 1891

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2018

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aaaaaaaaaa aaaaaaaagt cgtatcgatg t 1891
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&lt;210&gt; 2019

&lt;211&gt; 3557

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2779)

1286

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3522)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3523)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3557)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2019

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gaagaattctt	ggggttgggg	gagtgcaata	taagcaagct	aacctgtttc	aatgaaacag	240
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1287

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aaaaaaaaaa actcgan 3557

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&lt;210&gt; 2020

&lt;211&gt; 1599

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (376)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (377)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2020

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1288

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&lt;210&gt; 2021

&lt;211&gt; 2593

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2348)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2021

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## 1289

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<210> 2022

<211> 1688

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (802)

<223> n equals a,t,g, or c

<400> 2022

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cttcacccac ccgccaagg acgagaaggc gccgcacetc aagcaggngg tcaggcagat 180
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## 1290

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agactgga 1688

<210> 2023

<211> 2543

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

## 1291

&lt;400&gt; 2023

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tgctgcttctt ggcaggggtt attcggcggc tggacgagac agtgggtgaac cgcctcgcgg 120
cgggggaagt tatccagcgg ccagctaatt ctatcaaaga gatgattgag aactgttttag 180
atgcaaaatc cacaagtatt caagtgattg ttaaagaggg aggcctgaag ttgattcaga 240
tccaagacaa tggcaccggg atcaggaaag aagatctgga tattgtatgt gaaagggttca 300
ctactagtaa actgcagtcc tttgaggatt tagccagtat ttctacctat ggcttttcgag 360
gtgaggcttt ggccagcata agccatgtgg ctcatgttac tattacaacg aaaacagctg 420
atggaaagtg tgcatacaga gcaagtactt cagatggaaa actgaaagcc cctcctaaac 480
catgtgctgg caatcaaggg acccagatca cgggtggagga ccttttttac aacatagcca 540
cgaggagaaa agcttttaaa aatccaagtg aagaatatgg gaaaattttg gaagtgtgtg 600
gcaggatatt agtacacaat gcaggcatta gtttctcagt taaaaaaca ggagagacag 660
tagctgatgt taggacacta cccaatgcct caaccgtgga caatattcgc tccatctttg 720
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accagatact catttatgat tttgccaatt ttggtgttct caggttatcg gagccagcac 1800
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ttatgcactg tgggatgtgt tcttcttct ctgtattccg atacaaagt ttgtatcaaa 2400
gtgtgatata caaagtgtac caacataagt gttggtagca cttaagactt atacttgctc 2460
tctgatagta ttcttttata cacagtggat tgattataaa taaatagatg tgtcttaaca 2520
taaaaaaaaaa aaaaaaaaaa aaa 2543
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&lt;210&gt; 2024

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;



## 1292

<221> misc feature  
<222> (419)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<400> 2024  
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agttcctatt gattcatcag attttgcatt ggatattcgc atgcctgggg ttacacctaa 180  
acagtcgat acatacttct gcatgtctat gcgaatacca gtggatgagg aagccttcgt 240  
gattgacttc aagcctcgag ccagcatgga tactgtccat cacatgttac tttttggatg 300  
caatatgcct tcatccactg gaakttactg gttttgtgat gaaggaacct gtacagataa 360  
agccaatgat tctgtatgcc tgggcgagaa atgcttcccc ctacccgggc tccccaaang 420  
gtgttgggat tcagagtgg gaggagnaga ctgggaagta aatacttggg actacaggtg 480  
acactaaggg ggantattaa tggc 504

<210> 2025  
<211> 780  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (752)  
<223> n equals a,t,g, or c

<220>

## 1293

&lt;221&gt; misc feature

&lt;222&gt; (778)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2025

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cacgcgtccg gcaaaggatt ctattcttac cagtcactgc acgagtgggt cagggacacg 120
gatgcggagt ttgttgatat cgatggaaaa tcgcatctca tcctgtncan ccgctcccan 180
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cccaacatgg aggacgtact ggctgtgaag agcttccgaa tgcaaaatac cctctacctt 300
tcccttaccg gcttcatcgg ggactcccgg gtcattgagg ggaacagtaa gcagtttgtg 360
gagatccaag ctcttccatc ccggggggcc atgacctgc agcccttttc ttttaaagat 420
aatcactacc tggccctggg gagtgactat acattctctc agatatacca gtgggataaa 480
gagaagcagc tattcaaaaa gtttaaggag atttacgtgc aggcgcctcg ttcattcac 540
gctgtctcca ccgacaggag agatttcttt tttgcatcca gtttcaaagg gaaaacaaag 600
atTTTTgaac atataattgt tgacttaagt ttgtgaagg gtgggtgggtg aaactaagag 660
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```

&lt;210&gt; 2026

&lt;211&gt; 2521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2026

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cgaggtcagg tctcgaaag ggaggacctc ctctcccca ggggccccag gccaggtgca 120
cccttggccg cangtgcacg gtctccggaa agtgcaggcg ccacgtccc agctggacca 180
tggcgctcc gcggaacgtg gtgaagattg ccatccagat gcgtgacgcc atccgcgac 240
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gagcctgacg cactctgagc gttacgcctt gcagtttgcg gatgggcacc ggagatacat 360
caccgagaat aaccgcgcgg agatcaagaa tggcagcatc ctgtgcctca gcacggcccc 420
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ggaagccctg argcgcttg ttcgctggc ctcgacatg atctttgcca gggaggtcat 540
cagccgtaat gggctccaga tactaggcac catcattgaa gatggggack acctaggaga 600
ggtgctggcc ctacagctga gggccttctc agagctcatg gagcacggcg tgggtgctctg 660
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## 1294

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gccccccggt ctgctggccc tggacaacat gttgtacttc tccagaaacg cgcccagcgc 1320
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t

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&lt;210&gt; 2027

&lt;211&gt; 2357

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2027

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gtaccgggtcc ggaattcccc ggtcgaccca cgcgtccgcc cacgcgtccg cggacgcgtg 120
ggctgtgact gaaatcattt tcccatatga gcagaccctg tgtgtcaggc ctgtttccca 180
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aaaagctggt tattgccagg cctattaaca cttaatatgc aaattctatc atcctgaac 300
tggggcatct gaggaaaagg tgaccttgct ggatggcttt atttgcattg ctctgcctgt 360
ctgcagtggg tgagtcctca tcacctggta tgtgtatgag caaatgtgtg ctgatcgtga 420
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tgtggaagac taggggatcc ttggccacct ggtctcagag aaatcatatg agagtaacag 720
gcatttcctt attgtatttg tactacactc ttctacttt tccattcctg aacacctctt 780
aattaccact gttttgggga tgcttttttt ctgaaagaac ggggagtaca gggggcaaaa 840
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## 1295

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cctatagtga gtcgtattat aagctaggca ctggccgtcg ttttacaacg tcgtgactgg 2280
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<210> 2028

<211> 1783

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1296

&lt;222&gt; (1576)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1692)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1694)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1733)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1747)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1772)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2028

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gttgcaacga ctaactctcg cagttctaata gcaaaagagc catacaaaaa caatagttgt 180
gtctgtgttc caatgaatct gtacttataa aaaagggcag ggaatggatt tggcccatgg 240
accatagttt tcccatgtca gctctagact tctgcagatg gctccaatta catgtattcc 300
atcacagcag actccagggtg gcgctgtcag tcctcaagtt cacatcacct agtaaattta 360
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tctcagcagg ggctgtgggt agtctctcct gagaagaagg agcaaagggg atgggtgatg 540
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taatgcatag tttaaagttt aaaccttgcc gagcaataac aatctctaga tgtctgttgt 780
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gtggagttct caccagaaaa tacagagett cttacaactt taggattact ctacttacag 1080
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aactacaagg ccatcttggc agcaggcagc atgatgcaga cccacgggga ctttgatgtt 1200
gccctcacca aatacagagt tgtggcttgt gctgttccag aaagtcctcc actctggaat 1260
aacattggaa tgtgtttctt tggcaagaag aaatatgtgg cggccatcag ctgcctgaaa 1320
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## 1297

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cgagccaact acttggcacc cttecgattgg aagattctgt ataatttggg ctttgtccat 1380
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ccaaagatgg gggagctcta catgctcttg gcagtggctc tgaccaatct ggaagataca 1500
gaaaatgcc aagagagccta cgcagaagca gtccacctgg ataagtatgc actttgttga 1560
gaatgggtact ggcgngggtt ggactcttca aagccatgag gtggtgccat acatagcatt 1620
ggtgctggct gtgtcagccc agctggctct ctatggcatt agtacatagc agacctcagt 1680
gtggagggat gngnctccta agtatgtggg ggcttagcag gaaattgaca cnttgagaaa 1740
atggttncag gcctaaactg agtaatcagg angctagaga atg 1783

```

&lt;210&gt; 2029

&lt;211&gt; 4331

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2029

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1298

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aaaaaaaaat t 4331

```

&lt;210&gt; 2030

&lt;211&gt; 1234

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1058)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2030

```

cgccggccgc gccacgtga ycggtccggg tgcaaacacg cgggtcagct gatccggccc 60
aactgcggcg tcatcccggc tataagcgca cggcctcggc gaccctctcc gaccggccg 120

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1299

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ccgccgccat gcagccctcc agccttctgc cgctcgccct ctgcctgctg gctgcacccg 180
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aggttggggg ctctgtggag gacctgattg ccaaaggccc cgtctcaaag tactcccagg 300
cggtgccagc cgtgaccgag gggcccattc ccgaggtgct caagaactac atggacgccc 360
agtactacgg ggagattggc atcgggacgc cccccagtg cttcacagtc gtcttcgaca 420
cgggctcctc caacctgtgg gtcccctcca tccactgcaa actgctggac atcgcttget 480
ggatccaacca caagtacaac agcgacaagt ccagcaccta cgtgaagaat ggtacctcgt 540
ttgacatcca ctatggctcg ggcagcctct ccgggtacct gagccaggac actgtgtcgg 600
tgccctgcca gtcagcgctc tcagcctctg ccctggggcg tgtcaaagtg gagaggcagg 660
tctttgggga ggccaccaag cagccaggca tcaccttcat cgcagccaag ttcgatggca 720
tcctgggcat ggctacccc cgcattctcc tcaacaacgt gctgcccgtc ttcgacaacc 780
tgatgcagca gaagctggtg gaccagaaca tcttctcctt ctacctgagc agggacccag 840
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&lt;210&gt; 2031

&lt;211&gt; 1089

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2031

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tcatgtgtga atatgtgctt ttactgtaca tagtgctatt gtgcaatagg tcttatgctg 120
ttttcactca atgtgtgcta agatctagcc ccattgactc ttctagaaat gcagtattgc 180
tttgacctgc catgtggcac tccacaatgt caattgcagt ttacacacat tgcctaaagt 240
gggggacacc tgggtgcccc tgaccccttg gcaccggata caggccacga taaacatcct 300
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ttctcatgga gtttcttate ttttttgggt tattctcagg agttgcttgt acattcttgg 660
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cccagcactt tgggaggccc aggcagaagg atcgctgcag cccaggaggt cgagactagc 780
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aaaaaaaaa 1089

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&lt;210&gt; 2032

&lt;211&gt; 983

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



1300

<220>  
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<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (899)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (920)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (923)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (928)  
<223> n equals a,t,g, or c

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tgaacatgga cacaaacaat ggtcaccaag tccctgaaca gggtgtgtga gcccttgag 120  
gcgttcattc agcactgttt cggaggaatc tctatttcaa tctattccta tacattagtt 180  
attgaaaaac aacacacaat cgcaaaaaca agttgacctt tttgtgttcc ttgagaccga 240  
taatgaaggg ccctcgtgac cggacctcat gccaaacaac tcgttacaaa aagagctagg 300  
gtcccagctg cgctgaagct tcntgagacc tctcctcatc tgtgcatgga tgagtggccg 360  
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aagatccttg atactggctc agcatggaac atctggcaca cagtatgcac tgaggaaata 480  
cttgtttgaa taatcagtga atcatagatg aaaacttaac cttggaatta attatgagac 540  
tgctcagagg aagagaatgg gagacaaagg acctggtgat tagaccccca agacactggg 600  
ctgtctgctt gtgtctcggg tggaaacaggc ccagcgagag tcttttagggc cagaactcaa 660  
gaattttattg agcccttggt ctaggcactt gggattcacc agtatacaat ggagacaaaa 720  
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tggctgctgt attgagaaga gaatgtggtg gacagatata gaagcatgga aacctgatag 840  
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caatgggcca atgatgtaat cag 983

<210> 2033  
<211> 722  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

1301

&lt;222&gt; (637)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (675)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2033

```
cgggtcgacc cacgcgtccg cccacgcgts cgsgccacgcg tccgcgggcg gcggagacgc 60
agcagcggca gcggcagcat gtcggccggc ggagcgtcag tcccgcgcgc cccgaacccc 120
gccgtgtcct tcccgcgcgc ccgggtcacc ctgcccgcgc gcccgcacat cctgcggacc 180
tactcgggcg ccttcgtctg cctggagatt ctgttcgggg gtcttgtctg gattttggtt 240
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gatgctaact ggaacttcct ggattttgcc taccatttta cagtatttgt cttctatttt 420
ggagcctttt tattggaagc agcagccaca tcctgcatg atttgcattg caatacaacc 480
ataaccgggc agccactcct gagtgataac cagtataaca taaacgtagc agyctcaatt 540
tttgccctta tgacgacagc ttgttatggg tgcaagtttg ggtctggctt tacgaagatg 600
gcgacccgta acacttctta agaaaactgg cagtcgnatg ttaggtttca ctttgc tact 660
ttatatggtc tggancaa at tttggaataa cccaattttt ggtccaagaa tgccaaaaaa 720
ca 722
```

&lt;210&gt; 2034

&lt;211&gt; 555

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (492)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2034

```
gctggcgcgg cggacgggat gaggcgctgc agtctctacg ctttcggtaa cttccggggc 60
ctggcgmttc gtctccttac cctggggcta cccttgcccg gtctactgc ccgcgggttaa 120
```

## 1302

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cccgccgcga gccgcctctc cctccccgc cgcactcaac cctgccctcc cccgtgcttt 180
gcagacgccg yccggggggc caggcggtg atgcgtgtgg gcctcgcgct gatcttggtg 240
ggccacgtga acctgctgct gggggccgtg ctgcatggca ccgtcctgcg gcacgtggcc 300
aatccccgcg gcgctgtcac gccggagtac accgtagcca atgtcatctc tgtcggntcg 360
gggctgctga gcgtttccgt gggacttgtg gccctcctgg cgtcaggaac cttcttcgcc 420
ctccactgac tgggtcctgc tggcactagc tctggtgaac ctgctcttgt cgttgccctg 480
tccctgggcc tncctcttgc tgtgtcactc actggggcca acggtggncg gcggcttatt 540
gntgactggc accca 555

```

&lt;210&gt; 2035

&lt;211&gt; 1084

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2035

```

gccatccctg gctgtggcca aaatcatcat cattgaattc aaccccatgt accccaaana 60
caatgacatc gccctcatga agctgcagtt cccactcact ttctcaggca cagtcaggcc 120
catctgtctg cccttctttg atgaggagct cactccagcc accccactct ggatcattgg 180
atggggcttt acgaagcaga atggagggaa gatgtctgac atactgctgc aggcgtcagt 240
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tgccctactg ttggtatgac taccgttacc tactgtgtgc attgttatta cagctatggc 1020
cactattatt aaagagctgt gtaacatmaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaa 1084

```

&lt;210&gt; 2036

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2036

```

aaacattaca atattctcaa aaaaatccat atccatcacc attgcatatg cagtattact 60
ggttgttttg atgtaaatta cgtttaagg tttattttta aaagtgtgca tattcaacat 120
aaagaaagaa aaaatctaac gaatttaag tctgctgtaa tcctagcaca cgtgaacaca 180
atattaatat cttggtttat ttattttctg atgttcgtga gcatatatat atatatatat 240
atatatatat atatatatat atatatatat atatatatat atatatataw 300

```

## 1304

atcacagtgg cagccccctc tgccctcctg tattctgaat cccaccctta taatatgctt 360  
 agattttgcc tttctcccag ccgttttgtg agcattgttc gtgtgtacca attttttctc 420  
 atccttttaa aaaaaaaaaa aaaaactngg gggggg 456

<210> 2039  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (29)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (30)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (577)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (588)  
 <223> n equals a,t,g, or c

<400> 2039  
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 aggagcagcc acagccagga gggagagcct tccccagca aacaatccag agcagctgtg 120  
 caaacaacgg tgcataaatg aggcctcctg gaccatgaag cgagtcctga gctgcgtccc 180  
 ggagcccacg gtggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 240  
 gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 300  
 agccaaggac aggggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 360  
 gggctgctgc tttgactcca ggatccctgg agtgccctgg tgtttcaagc ccctgcagga 420  
 agcagaatgc accttctgag gcacctccag ctgccccggc cgggggatgc gargctcgga 480  
 gcacccttgc ccggtgtgat tgctgcaggc actgttcac tcactttttg tccttgktcc 540  
 ggaagcgctt ttgctgaagt catattggac ctgatgntta acaataangt ccat 594

<210> 2040  
 <211> 653  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c

1305

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (566)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2040

```

gcttntacgc ctgcagcnac cgggtccggaa ttcccggggtc gacccacgcg tcggcgctccc 60
ggagcccacg gtggatcatg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 120
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 180
agccaaggac aggggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 240
gggctgctgc tttgactcca ggatccctgg agtgccttgg tgtttcaagc ccctgcagga 300
agcagaatgc accttctgag gcacctccag ctgcccccg cggggggatg cgaggctcgg 360
agcacccttg cccggctgtg attgctgcca ggcactgttc atctcagctt ttctgtccct 420
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aaagggtccca tgctccaccc gaggacagtt cttcgtgcct gagactttct gaggttgtgc 540
tttatttctg ctgcgtcgtg ggasanggcg gkagggtgtc aggggagagt ctgccaggcc 600
tyaagggcag gaaaagactc cctaaggagc tgcaagtcat gcaaggatat ttt 653

```

&lt;210&gt; 2041

&lt;211&gt; 1916

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1766)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1883)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1911)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1912)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2041

```

tccaagaca ggattatgaa tactccacca gctgttgtgt cagtatatga ctgctgctgc 60
tcctatgcaa gggaacctac attcctcagt acacgcctgt scctccgaca gctgtttcta 120

```

## 1306

```

ttgarggtgt tgttgctgat acctctcccc agacagtggc accttcatcc caggacacca 180
gtggtcagca gcaacagata gcagtggaca catccaacga acatgcacct gcatattctt 240
accaacagtc taaaccataa acaggactga agaattgytg tytgaatctt tgcttgaat 300
gaagaaactt cattgaacaa gaagttggct tccagtttgc acagacgtca atggaatgca 360
tttttttkt gktgktgktg tttttttttt agtgktatac cttacccaat gaaagcaaa 420
tttttatgtg ctgtgcaaat ggtcttcatg tggcttgaca atttattttt gccatcattt 480
ttttaattaa agaaaaaatt tccagaagag gaaaaaaaaa ctacaaaaaa caaaacattg 540
aaggttgata ttttatgtgg aagaacattt gaattgaatt cagaattttt ctgaagggtg 600
agatactttt tttttttttt ttaacagaaa acctgatgtc aagagggtgg caatagaaat 660
ggaaacaaat tgtcttcttc aataattaag ctactttctc tttttccctt cttgttttaa 720
tctagtgggt tttttatttt attttttctt agaaatatgt aggtaagggt tatcttgaat 780
cttaattgcc ttaattttta ggacgtcaaa ggctctcgag gcaagctgtc aacgtcttgt 840
tgaaaaacaa aatcaagaaa gaattgaaat actgtgccgg ctttctactg cacagaagt 900
taagactatg agtttttagg gtgaagaaaa aactgtacag tttaaatgaa aatgtttttc 960
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gtgttttgtt tttgtttttg ttctgttttc tgttttgtt tatttgttaa catgcatttg 1680
ttggttctag tagaaaagct gcacttgctg tgttcagcag tttctgccgg aagagttckg 1740
gataccaact gacaaagcca aatggncttt tattcaatct gtgagctttt ctgggtccta 1800
ctagctctct tgaaggkgac acctgtgtgg gatgggccac tgatatgtgg agaccctggt 1860
ttaacaaggt gaaaattcct ttncgggtgg aacctttgga acctaaaagg nncctt 1916

```

&lt;210&gt; 2042

&lt;211&gt; 1595

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2042

```

aaatcttctt acacacatct agackttcaa gtttgcaaat cagtttttag caagaaaaca 60
tttttgctat acaaacattt tgctaagtct gcccaaagcc cccccaatgc attccttcaa 120
caaaatacaa tctctgtact ttaaagttat ttagtcatg aaattttata tgcagagaga 180
aaaagttacc gagacagaaa acaaactctaa gggaaaggaa tattatggga ttaagctgag 240
caagcaattc tggtggaag tcaaacctgt cagtgtcca caccagggct gtggctctcc 300
cagacatgca taggaatggc cacaggttta cactgccttc ccagcaatta taagcacacc 360
agattcaggg agactgacca ccaagggata gtgtaaaagg acattttctc agttgggtcc 420
atcagcagtt tttcttcttg cattttattgt tgaaaactat tgtttcattt cttcttttat 480
aggccttatt actgcttaat ccaaagtgtg accattggtg agacacatac aatgctctga 540
atacactacy aatttgtatt aaacacatca gaatatctc aaatacaaca tagtatagtc 600
ctgaatatgt acttttaaca caagagagac tattcaataa aaactcactg ggtctttcat 660
gtctttaagc taagtaagtg ttcagaaggt tcttttttat attgtcctcc acctccatca 720
ttttcaataa aagatagggc ttttgctccc ttgttcttgg agggaccatt attacatctc 780
tgaactacct ttgtatccaa catgttttaa atccttaaag gaattgcttt ctcccaaaaa 840

```

## 1307

```

aagcacaata taaagaaaca caagatttaa ttatttttct acttgggggg aaaaaaagtc 900
ctcatgtaga agcaccact tttgcaatgt tgttctaagc tatctatcta wctctcagcc 960
catgataaag ttccttaagc tgggtgattcc taatcaagga caagccaccc tagtgtctca 1020
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agggttaatgg ctaagaatgg gtaacatgac tcttggttga ttgttatatt ttgtttgcaa 1140
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agttctttttg gctaacaaat catttttgga ataaagattt ttactacaa aaatgaaatt 1260
tgtttggtgact tccacttgag acagtaaaga gagtattaga caccagtaa aaactgccat 1320
ataaagaagt tgtaattgtt tgttgtgtat gtattttttt caatgccaaa ccagctgtga 1380
tccaatttac atccacattt taggtccaac agcaagaagt tcagagagag atttcccaac 1440
cagacattgg gtcactcact ggtcaccttg ccagtgcat ttagtagaag ggaatctgtt 1500
gtagcaaattg ggaataaacc tgggtttcta tagaccaga actgaaaaaa taaacatcgt 1560
gctgttttta atttgaaaaa aaaaaaaaaa aaat 1595

```

&lt;210&gt; 2043

&lt;211&gt; 1061

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2043

```

ggccggggcac cggggcgggcg ggttggtcta cgctgtgcgc ggccggacgtc ggaggcagcg 60
gggagcggag cggggccgcc ggggcctctc cagggccgca gcggcagcag ttgggcccc 120
cgccccggcc ggcggaccga agaacgcagg aagggggccg gggggaccg cccccggcg 180
gccgcagcca tgaactcaa cgtggagaac ctacccccgc acatcatccg cctgggtgtac 240
aaggaggtga cgacactgac cgcagacca cccgatggca tcaaggtctt tcccaacgag 300
gaggacctca ccgacctcca ggtcaccatc gagggccctg aggggacccc atatgctgga 360
ggtctgttcc gcatgaaact cctgctgggg aaggacttcc ctgcctcccc acccaagggc 420
tacttctctga ccaagatctt ccaccgaac gtgggcgcca atggcgagat ctgcgtcaac 480
gtgctcaaga gggactggac ggctgagctg ggcacccgac acgtactgct gaccatcaag 540
tgctgtctga tccaccctaa ccccgagtct gactcaacg aggaggcggg ccgcctgtc 600
ttggagaact acgaggagta tgcagctcgg gccgctctgc tcacagagat ccacgggggc 660
gccggcgggc ccagcggcag ggccgaagcc ggtcggggcc tggccagtgg cactgaagct 720
tctccaccg accctggggc ccagggggc ccgggagggg ctgaggggtc catggccaag 780
aagcatgctg gcgagcgcca taagaagctg gcggccaaga aaaagacgga caagaagsg 840
gcgtgcggc ggctgtagtg ggctctcttc ctcttccac cgtgaccca acctctctg 900
tccctccct ccaactctgt ctctaagta tttaaattat ggctggggtc ggggagggta 960
cagggggcac tgggacctgg atttgtttt ctaaataaag ttggaaaagc aaaaaaaaaa 1020
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa agtcgtatcg a 1061

```

&lt;210&gt; 2044

&lt;211&gt; 653

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2044

```

ggcacgagcg gatgtcaac ctactgacc ggcaagtcaa aatctggttc cagaatcgca 60
ggatgaaaga aaagaaactg aacagagacc gtctgcagta tttcactgga aacctttat 120
tttgagagct ccaggaagcg cctcaccac agcccaactc acccaccctc cttcccacca 180
gcctgctctc cgcagccac tgtccttggg tttaatgacg tctcttctct gtggaayttc 240
acgattcctt cccacgggtc actcgggacc tcccagcgac cactgcagcc tgcggacgag 300
gccgggactt ggccgagcgg atcctaataa ggggaaaatg gtaaatagcaa acgtcccggt 360

```

## 1308

```

acaattttac cgccagtgtg ctgtcgttcc ccctcccccmt ctccgagtcc tcgtggggac 420
acggcgggggt ctgtaggaag ttgggcccggg ttggggggttg ctagaaggcg ctggtgtttt 480
gctctgagtt ttaagagatc ccttccttcc tcttcggtga atgcaggta tttaaacttt 540
gggaaatgta ctttttagtct gtcatatcaa ggcatgagtc actgtctttt tttgtgtgaa 600
taaattggttt ctagtaaaat gaaarwaaaa aaaaaaaaaa aaaaaagtcg acc 653

```

&lt;210&gt; 2045

&lt;211&gt; 356

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2045

```

cggggcagaa aggcggcaaa ktgttggttaa aaaagcagac atgatcaacr raaatatgac 60
tcatacaggtc caagctgaga gagatgcact ggactaagc aaaagcccat tcattgkcca 120
tttgtattat tcaactgcagt ctgcaaacaa tgtctacttg gtaatggaat atcttattgg 180
gggagatgtc aagtctctcc tacatatata tggttatttt gatgaagaga tggctgtgaa 240
atatatttct gaagtagcac tggctctaga ctaccttcac agacatggaa tcatccacag 300
ggacttgaaa ccggacaata tgcttatttc taatgagggt catattaaac tgacgg 356

```

&lt;210&gt; 2046

&lt;211&gt; 1439

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2046

```

tcccagctgg ccctgcccct ctaccctccc tgccctgagca cttacctcct tagatggagg 60
ccgagacccc aagtactgag gtgccacctg acccagagcc tgggtgtaccc ctgacacccc 120
catcccaaca ccaggaggcc ggtgctgggg acctgtgtgc actttgtggg gaacacctct 180
atgtcctgga acgcctctgt gtcaacggcc atttcttcca ccggagctgc ttccgctgcc 240
atacctgtga ggccacactg tggccagggtg gctaygagca gcaccagga gatggacatt 300
tctactgcct ccagcacctg ccccagacag accacaaarm ggaaggcagc gatagaggcc 360
ctgagagtcc ggagctcccc acaccaagtg agaatagcat gccaccaggc ctctcaactc 420
ccacagcctc gcaggagggg gccggctcctg ttccagatcc cagccagccc acccgtcggc 480
agatccgcct ctccagcccc gagcgccagc ggttgtcctc ccttaacctt acccctgacc 540
cggaaatgga gcctccaccc aagcctcccc gcagctgtc cgccttggcc cgccacgccc 600
tggagagcag ctttgtgggc tggggcctgc cagtccagag ccctcaagct cttgtggcca 660
tggagaagga ggaaaaagag agtcccttct ccagtgaaga ggaagaagaa gatgtgcctt 720
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ctgatcggca ggctgaggac caggctctga ggaagctggt ggatttggtc aaccagagag 1200
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cccagggcta gacgaggggt ggccgtctgc tttcgttccc acaaagaaag cacctcacc 1320
cagcacagtg ccaccctgt tcatctgggc tgccctggcag agagccttgc tgtttacaat 1380
taaaatgttt ctgccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1439

```

&lt;210&gt; 2047



1309

<211> 586  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (576)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (584)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (585)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (586)  
 <223> n equals a,t,g, or c

<400> 2047  
 cctgcaggta ccggtccgga attcccgggt cgacccacgc gtccggaaga atttaaactw 60  
 agagaatgat taataaagtg gaaaatatcc aaagagtgtg aaataatttg gggagaaagt 120  
 tgcaaaatgt ggagtttctt tacaacaaat attttcagtc catcagatgt ctacatgttt 180  
 tatgatctaa aataccagac aatgggtctgt gatatcatgg gactaccatt agcccagaaa 240  
 aggttgcttc tttcatctgc ttgcctaata accatagggt ggtcattact ttctctgaac 300  
 ttttattttc tcataattct ggttgctata agactcaaga gagaatgcac atgggaaagg 360  
 attttaaaaa ctgatcaatc tgtaaaatgt catgtattgg aaaagataaa gtaaaattca 420  
 taccagtatc ctaagtctcc actaaatgat aaaaaccgta cataattatg tctgttgatt 480  
 cccatagtaa ccatatgaaa cagatattat tcctatctca aatttaggga taaaaaccag 540  
 taggactgag gacattaagt aaattatcac agctcncsgg gggnnn 586

<210> 2048  
 <211> 895  
 <212> DNA  
 <213> Homo sapiens

<400> 2048  
 gcctgcagggt accggtccgg aattcccggg tcgacccacg cgtccgcgaa aaatcagttk 60  
 gcaatataca gtgtgggaac tgtactgtga tcattggcta accaagatgg gtgacagttt 120  
 atgatttcaa agactcaaag gcggcttgag tcctacaatg tcctactcat aaaaatggaa 180  
 agcatggcag cctcagggtg ttacagagta ctctactcca aagtaaaagt tattctctga 240  
 gaaagtgctt actgcctttt ctgttctcta gtttgcttgt ttaaacattt actccacaaa 300  
 attgctcaaa cttacccatc tttgaatatc tagcctctgg gatgagacag atgatctttc 360  
 tccgttttca ctttttatag aatacagcta cctaccagg caatatgaag attttatttg 420  
 tagaacctgc cattttcctt agtgcatttg ctatgacttt gaccgggtcca ctgacaacgc 480  
 aatatgttta tcggagaata tgggaagaaa ctggcaacta cactttttca tctgatagca 540

## 1310

atattttctga gtgtgaaaaa aacaaaagca gcccaatttt tgcattccag gaggtaagaa 600  
attacaatat ccatagtatt taataaaatg ggaatgtata ccgggctttg agtcaaagag 660  
gaccgtgaac tcatcatcca ttggtctctc tagggcggcc atcaaagtc taaatcccaa 720  
acctaattggc ctttactggg aactcacctc atttgaagtt tcttgacacc tttcaaattct 780  
gcctcttctt cttaaaacac cctcctgctc tgtgacacta gctcttctcc tttctctcgg 840  
aaaatttcac cacagtgtca tctcttctgt ggctgtctcc ttgctttgtc ctaaa 895

<210> 2049

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<400> 2049

tttatgatat ggaattcaat acacccttc agtgggtataa agacattcct ggatttcttt 60  
aggatagggg cagagttggg ttactatctg gccttcagtt tttaaaaggg gcgattcttt 120  
gatatagcan tagcgtcaat ttt 143

<210> 2050

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (574)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (576)

<223> n equals a,t,g, or c

<400> 2050

gagctccacc gcgggtggcgg ccgctctaga actagtggat cccccgktct gcaggaattc 60  
atatgatgcc gcccgctcaac tcgacaagct ttacgtgacg gggctatagc tcagctggga 120  
gagcgcttgc atggcatgca agagggtcagc gggttcgatcc cgcttagctc caccaaattt 180

## 1311

```

tgcacccagc aaacttggtg cgtaaacgca tcgtggggct atagctcagc tgggagagcg 240
cttgcatggc atgcaagagg tcagcgggtc gatcccgctt agctccacca aatttccaac 300
cctcgctgca aagsgggggg tttttgtctc tgctttttgc cgcttttgta atacagtcta 360
cgtccggggt agtgccgcct ggtgaaagca tcattggatg aaaaatcggc aacaggctgg 420
ccccctgttt gcttcgcgat gcgaataaac ttattatttg tgtgcctgaa aaccccgatc 480
agtgagagta gtgtactcat gtttgtggag cataacctga taaaaaatat caagatatcc 540
acactagcgt ttacgctcac cgtgtmcggg gggnnnn 576

```

&lt;210&gt; 2051

&lt;211&gt; 580

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (577)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (578)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (579)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (580)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2051

```

gagctccacc gcggtggcgg ccgctctaga actagtggat ccccggtct gcaggaattc 60
ggcacgagta acaaacctta cctttgttta aggtgctttt tctggctctc tgccattaag 120
atctacattt tccaccctgt ctctcttagg acctgagggt tatctctttg atatgcaa 180
gccagggaga ttactcacca gaagaagaag aagaaataga gctaattgga aattgagcaa 240
ataaaaaaat cttgtttttt ctcccagaaa cagtgaagaa ctttagccat ctttagata 300
atcttaactt gttccatctg ccagaaacac aatttggatt cagaaattct ttatgaactg 360
tttttgtatt attgtacctg gcacatggct acagttttca aatgaaaact gtgaaatctg 420
cttctgtctg tattttatgt atgtctgtgt atgcatgtat gtgtaatatt tttctacctc 480
tagagactat cctaaaatta acttataaag agctgtattt aattgcctta aagaaaaagc 540
acttatacaa attaagtatt ttttaaacyc gggggggnnnn 580

```

&lt;210&gt; 2052

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1312

<221> misc feature  
 <222> (487)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (525)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (561)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (571)  
 <223> n equals a,t,g, or c

<400> 2052  
 gcggccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg wtggagaaaag 60  
 ctcccagtga ggaactgggc ttctggagac tctgtgtggc atagagtgat tcaaccacct 120  
 taagaagacc tctggctttc ctggaacaca gatgtcgaga catctcccat ggatttgtga 180  
 tcagcgttgc agctctccca gcagccctgg acggtgactc tcctctcttg gaatgcatcc 240  
 tgaagcagct gaaaaggggt gccccgggcc cagcagggag caaaatctgg tgatattgct 300  
 tctgaacatc ccacatgtgc cacacacgtg cccccccca cacacacaca tgcacactca 360  
 catgcacact cacatgcaca ctcacatgca cactcacatg cacactcaca tgcacactca 420  
 catgcacact cacatgcaca ctcacatgca cacacagcct ggactctgtt ccccttatgc 480  
 ccctggnacc aactccatc aaagccattg acctttatat ccccntgtgt cttcagtaag 540  
 aaggtatatc aggccagacc nccggggggg n 571

<210> 2053  
 <211> 807  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (57)  
 <223> n equals a,t,g, or c

<400> 2053  
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 ggcacgagct cgtgccgaat tcggcacgag aaaagatatt gtatatgaac ttcaactcta 120  
 caactcagta aaatgaactg tgatcaggag aataaggaaa tgttcagtggt attacttggt 180  
 gggttgtaatc aatggaaaca ctaaaaacat aaaatatgca tgcactatgc ttccttaaag 240  
 taaaattttt ctttaccagg aggagaaaag caaagagtag caattgcaag agccattttg 300  
 aaggaccccc cagtcatact ctatgatgaa gctacttcat cgtagattc gattactgaa 360  
 gagactattc ttggtgccat gaaggatgtg gtcaaacaca gaacttctat tttcattgca 420  
 cacagattgt caacagtggg tgatgcagat gaaatcattg tcttggatca gggtaaggta 480  
 gccgaacgtg gtacccacca tgggttgctt gctaaccctc atagtatcta ttcagaaatg 540

1314

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa

753

&lt;210&gt; 2056

&lt;211&gt; 4016

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2056

cngacactat ntaaggtacg cctgcagggtg accggtaccg gaattcccgg gtacgaccca 60  
cgcgctcgggt tctgaagcaa tgttaatcct actagccaag catatcactt agtccccact 120  
gtgagatgag ggatattgtg ttaaattgtg aaacaaatat atgagtcagg tattttttcct 180  
ttgagtccaa gtgggttatg actttctttc ctgtgttctt tgtatatgtg ggagttttat 240  
aattttttat caagaatgaa aggttggcct gtgttctttac tgggtgcaggc tgtcacattt 300  
ctctctgttg ccagtcagg tgcctatggca tgtgctgctt ctggcgtagt gtactctgtg 360  
gatgtaccag catgttcttc aaggtcagta ctgattttcc agacctttgg aattgagata 420  
aatgttaaat ttgtagctat ctctgaattt cttccagata cttttcttca tttgtttgtt 480  
tgtagggtaa acatacctga tagcagcaat ttaagcatac ccttagaatg accatgtatg 540  
gccagtgcac ctgaatgtgt gttccaagggt agggaaatcca ggaatggcca actcggagat 600  
tcattcctta ctatgataaa tatctgagcc ccctgctcat cctgtggaac atgggcttat 660  
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ctttataaac attcaacaag taggacaact attattactg ttactcagaa cccttcgctc 1560  
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ctcgaactga actaactcaa gctgcagaac tccgagcaag cctggattgt aaagtctggg 1860  
tgaaaataga tggagtatgc ctgactgaac ctctgtactg cccacatgc tatacagggtg 1920  
ggggattgga tggctgttag gtgatcattg cattctcttt tggatcccta ttgagaagaa 1980

## 1315

```

atgataagag agggaaagga tatggggcaa gaacagtctg aaaaagaaag gataaagttc 2040
tcagactctc ttcacactct aagaagaact ttctgaaaag cttggattag gtctggcaat 2100
ggatataata agcaaaggac tcttggaatg tgttcttggc tcttagcccc acctctgact 2160
ttgagcaaat cagctgattt ctctgcctgt aaaataatag tccctctgat attaatactt 2220
acctcatgag gttattttaga ggatagtgtt ggtaataatg ccttggtgtt acatcattcc 2280
tttcacagag agctcaaagc actttacatg cattgagaga gaagcttctc gtgaagagta 2340
aatagaagtg ttcacttttt ggaaatgaac ttaggccata agagcctgaa tttaatgcat 2400
tgcaggaaga aatatggtac atagtgatcc agtgggtcaa ctgaattttt tgttccacta 2460
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ggccccagct tacgcgtgca tgcgacgtca tagctctctc cctatagtga gtcgta 4016

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&lt;210&gt; 2057

&lt;211&gt; 587

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (536)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (540)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 1316

&lt;221&gt; misc feature

&lt;222&gt; (541)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2057

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agctggtacg cctgcaggta ccggtccgga attccccggg cgaccacgc gtccggaaca 60
gggaaagaaa gggacagaga tggaaaatcc tattttattg ttttgacttt agacatccag 120
aaagggttac taactttaaa actttaata aagttgccct gtgttgggga agaaatctgg 180
caatcctagt tactttgaag tcacgctacc ctttttcaact agagtctccc tgaccaaga 240
gaacagggaa gggccggtag gatacacata acagtagctc cttttacttg gctggattta 300
ggtatgccag gagcaggggtg cagtattagg ccagaaatct ctgttgggtct ctgcttgcct 360
ctcagtgcata atgtgggtcag ctctccttga ctgtagacca tccagccaaa tccaagctct 420
gcttttctct tttggactca ggaccatta aactcagtaa cctcattaaa ttctgcctgc 480
acatttctcc tttcttttct tttctttttt ttttttgaga ccatgtctca aaaaanaaan 540
nnaaaatata tatatatata gagagagcga gccgagagag agagaga 587

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&lt;210&gt; 2058

&lt;211&gt; 1063

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2058

```

ggcggaatgt tcaactccta actgcggcgg aaacgtggga gccgcgcggg ccgctgtcgt 60
cccaaccccc gccgccctcg tcgcgcgcgg ggccctcccg cccccggctg ctgctcacgc 120
cccgcccggg agccagatgt tgtggaagta taatactttg tcattatgag atgtcgtctc 180
tcgggtgcctc ctttgtgcaa attaaatttg atgacttgca gttttttgaa aactgcgggtg 240
gaggaagtgt tgggagtgtt tatcgagcca aatggatata acaggacaag gaggtggctg 300
taaagaagct cctcaaaata gagaaagagg cagaaatact cagtgtcctc agtcacagaa 360
acatcatcca gttttatgga gtaattcttg aacctcccaa ctatggcatt gtcacagaat 420
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cagaaacttg tgacacatat tccatgggtg tggttctctg ggagatgcta acaaggagg 780
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gattaacat tccaagcagt tgccccagaa gttttgctga actgttacat cagtgttggg 900
aagctgatgc caagaaacgg ccatcattca agcaaactat ttcaatcctg gagtccatgt 960
caaatgacac gagccttctg acaagtgtaa ctattccta cacaacaagg cggagtggar 1020
gtgcsaaatt gaggcaactc ttgagagggt aaagaaacta gag 1063

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&lt;210&gt; 2059

&lt;211&gt; 2716

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1317

&lt;400&gt; 2059

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tcgacccacg cgtccgcgga cgcgtgggtt ttttgaaaat atgcagaaat ttgtggtaat 60
tatgtatttg tgtcttgtga caattatgtt ttatagacct acactagtgc caggtcacta 120
ttgtaagatg ttaaaatctc aagaaaattt cacagagcta aagaaatgat gtcaaattag 180
tcacattaag ctatagtaga aggaattgga cacttctcca gatatttggc ttcaaaggag 240
tacctttact tacatgtgct ttatggtaag tacattgaat tttactttaa atgcatttta 300
ctacaaagca caattcattt gtaatgcata tccatcttgg attcaatcca aggtgcttta 360
gctatcagta gtaccaaagg atcttttttac aaggcttcct gtggtattga ctctgagaat 420
aacacatagt gaagatctgt gggctttttaa aattgttcac agccaattta agaagacccc 480
tcatgaagtc tcagttttca gtacagtaca tcattcctcc tcaactaggag cactttgatg 540
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aactgtggct cttccagttg aaataggaat tggagagaaa ggattagaat attttaatta 840
ggggagtaga ttattgtcca aaggctttta tttagagaaa cgggtaatta aaacagcagc 900
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agagagaaaa tctattataa tttatttgaa aaataaaaaca ttttatccag taaaaaaaaa 2700
aaaaaaaaagg gcggcc 2716

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&lt;210&gt; 2060

&lt;211&gt; 2013

&lt;212&gt; DNA



1318

&lt;213&gt; Homo sapiens

&lt;400&gt; 2060

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cttccggctg gcggtgagtg gggagtggga tccgatcccg tggggctatg taggggaagt 60
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gtgtggctgg gccaacccag gatctcccag gaccctccgc tctgcgcgac aaggggcccc 180
cgcttgccaa ggccgacggg caggagtga cgtggcctcc gtgggtctgc agccccgata 240
ggccaattgt acagaattta aaccgtctct cagatgtgta cagtagaact caagaagaca 300
gactaccaag ggtcatctga agtcgtgatt gggctactaa taacaccagg acaaagttaa 360
gggatcacta ctcaagcata agccccagtt ttcataagac tgctgtgaag atgtttgata 420
taaaggcttg ggctgagtat gttgtggaat gggctgcaaa ggacccttat ggcttcctta 480
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tggccaagat gattgaggcc agggagaagg agcaaaagaa gaagcaaaaa cgccaagaaa 600
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 2013
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&lt;210&gt; 2061

&lt;211&gt; 2595

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1009)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2456)

1319

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2466)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2471)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2507)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2533)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2535)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2593)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2061

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ggcatcccta atctgaaaat ccaagattaa atgctccaat tagcatttcc tttgagcgtc 60
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## 1320

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aatactttccg agaagcagac cagcataatc ttttaagtgc acaggcccag gagccaggtt 1140
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caaggcttag agnaa 2595

```

&lt;210&gt; 2062

&lt;211&gt; 554

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (527)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2062

```

ggtacatttg tatattatca aaatgttctt attgtaacaa cttaactaat actaaaatgg 60
ataaaggaaa agtcaatctc ctggtagtac cctccattc ttaacctctg aagtaacttg 120
tgtaagtga caattgtgta tcttactgat atacaacttt ttcactgtca tacaacatc 180
cccaagggtg tttgtttctg aaaatattac agcattgata ttctgcacat tccgtagctt 240
gctttaatca ctcaatatgt tataaacacc cttcgtgtt aatagaaata atactaactc 300
atccttttta ataaccaaag tatggktata tcataatcta ttataccatt caaatgttac 360
ttccagtttt gggggatttt ttttttttgg tctttttgct gttgktgttc attttttact 420
attccaaaaa tgettcaaca aatattcttt tacagattga atgttgctta tccaaaatac 480
ttgggaccag aagtcttggg gattttctgat ttccagatta gggatgntca mactgtatat 540
acctccttac acac 554

```

&lt;210&gt; 2063

&lt;211&gt; 1848

1321

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (969)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1822)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2063

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gggaaccgcc ggctgtgggg ttggaaccgc cggctgtgag ttctctcact gcttggagga 60
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gtggatagaa aaaggccgtg cagcatcgaa gacaggagga actggagcct cattggccgg 180
cccggggccc cggcctcggg cttaaataag agctccgggc tctggctggg acccgaccgc 240
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gctcamaaaa aaaaaaaaaa anaaaaaaaaa ttgggggggg gcccggtg 1848
```

&lt;210&gt; 2064

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1322

<220>  
 <221> misc feature  
 <222> (464)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (471)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (479)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (482)  
 <223> n equals a,t,g, or c

<400> 2064  
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 cattatcaag ggaaaggcaa gactgggacg tctagtccac aggaagacct gcaccactgt 180  
 cgcttcaca caggtgaact cggaagacaa aggcgctttg gctaagctgg tggaagctat 240  
 caggaccaat tacaatgaca gatacgatga gatccgccgt cactgggggtg gcaatgtcct 300  
 gggtcctaag tctgtggctc gtatcgccaa gctcgaaaag gcaaaggcta aagaacttgc 360  
 cactaaactg gggttaaagt acactgttga gttttctgta cataaaaata attgaaataa 420  
 taaaaatttt ccttcaaaaa aaaaaaaaaa aaaaaaaaaa aaangggggg nccccgtanc 480  
 cnattgg 487

<210> 2065  
 <211> 575  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (527)  
 <223> n equals a,t,g, or c

<400> 2065  
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 ggaaaagacg cagagaagta aaagatcaaa gtctgattgg caccggctcc cattccggct 180  
 ccagcctcca atccgacccc catttcggct gcagcctcgg acctagctcc ggcctcgggt 240  
 ctatccgggt gcatectccc tccctgttcc ggatcttata ttgcgccasg cctactccag 300  
 gatcccgtag ccagacctca agccatggct ggtcccttct cccgtctgct gtccgcccgc 360  
 ccgggactca ggctcctggc tttggccgga gcgggggtctc tagccgctgg gtttctgctc 420  
 cgaccggaac ctgtacgagc tgccagttaa cgacggaggc tgtatcccc gagcgtgag 480  
 taaccagaac ttccgaaagc acaacaattg catggccatc acttgancca gcatttatgc 540

1323

aaggttttga aaagacaaac cattggtttg aagta

575

&lt;210&gt; 2066

&lt;211&gt; 786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2066

```
cgacagaagg gtacggctgc cagaagacga cagaagggta cggctgctgag aagacgacag 60
aagggtacgg ctgcgagaag acgacagaag ggggctcttc ctcgtttgcc cctcgtgttc 120
atgggagctc gttttctttt cctctaggca gagaagaggc gatggcggcg atggcatctc 180
tcggcgccct ggcgctgctc ctgctgtcca gcctctcccg ctgctcagcc gaggcctgcc 240
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tcatcccgcc tctgtttaca gtcagcgtgg accatcgggg cacttggaac gggccctggg 600
tgtccactga ggtgctggct gcggcgatcg gccttgtgat ctactacttg gccttcagt 660
cgaagagcca catccaggcc tgagggcggc accccagccc tgcccttgct tccttcaata 720
aacatcacag gacctgggac tgcacaggaa aaaaaaaaaa aaactcgrgg ggggcccgtg 780
acccaa
```

786

&lt;210&gt; 2067

&lt;211&gt; 2021

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2067

```
gtccccgcg kccctcttgc ttttgtggcg gcgcccgcgc tcgcaggcca ctctctgctg 60
tcgcccgtcc cgcgcgtcc tccgaccgc tccgctccgc tccgctcggc cccgcgccgc 120
ccgtcaacat gatccgctgc ggcctggcct gcgagcgtg ccgctggatc ctgcccctgc 180
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atgaccttct gggcaatgcc aagcccagg acttctacac atctgcctaa cttgggaatg 720
aatgtgggag aaaatcgctg ctgctgagat ggactccaga agaagaaact gtttctccag 780
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## 1324

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tgaaaaccaa ttcattttta atatcagatt attattttgt aagttgtgga aaaagctaata 1920
tgtagttttc attatgaagt tttccaata aaccagggtat tctaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaactcgt a 2021

```

&lt;210&gt; 2068

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (263)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2068

```

gggaatcttc atgggatcct acgggacttc tactcaccac tgggtgcctga cagcatgaaa 60
tttgagattg gagaggctct ttacttgggc attatttctt ccctgttctc cctgatagct 120
ggaatcatcc tctgcttttc ctgctcatcc cagagaaatc gtcceaacta ctacgatgcc 180
taccaagccc aacctcttgc cacaaggagc tctccaaggc ctggtcaacc tcccaaagtc 240
aagagtgagt tcaattccta cancc 265

```

&lt;210&gt; 2069

&lt;211&gt; 774

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1325

<221> misc feature  
 <222> (49)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (67)  
 <223> n equals a,t,g, or c

<400> 2069  
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 ggaggagtgt tcattgtata ataagttatt cacctgagta tgcaataaag atgtgggtggc 720  
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<210> 2070  
 <211> 2620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (26)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (27)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2599)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature



1326

&lt;222&gt; (2609)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2070

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ggtaccgggtc cggaattccc gggtcgaccc acgcgtccgg ggtgtccgag ggccacaaga 120
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aaaaaaaaaa aaaaaattnc tgcggccgnc aagggaattc 2620
```

&lt;210&gt; 2071

&lt;211&gt; 1476

1327

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2071

```

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&lt;210&gt; 2072

&lt;211&gt; 2224

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2072

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1328

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&lt;211&gt; 820

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1329

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<220>  
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<220>  
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<212> DNA  
<213> Homo sapiens

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<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1330

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1487)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2074

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&lt;210&gt; 2075

&lt;211&gt; 2386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2075

## 1331

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&lt;210&gt; 2076

&lt;211&gt; 3893

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

1332

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 <222> (4)  
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<220>  
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 <222> (14)  
 <223> n equals a,t,g, or c

<400> 2076

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1333

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```

&lt;210&gt; 2077

&lt;211&gt; 3233

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3224)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3231)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2077

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```



1334

```

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```

&lt;210&gt; 2078

&lt;211&gt; 2981

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1335

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (139)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (140)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2817)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2916)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2078

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## 1336

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&lt;210&gt; 2079

&lt;211&gt; 2458

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2079

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## 1337

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<210> 2080

<211> 2650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 2080

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```

1338

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2650

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&lt;210&gt; 2081

&lt;211&gt; 2302

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1339

&lt;222&gt; (135)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2081

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atggatatag acagtctgta acgtatgcat gtaataaagg attcaccatg attggagagc 1020
actctattta ttgtactgtg aataatgatg aaggagagtg gagtggccca ccacctgaat 1080
gcagaggaaa atctctaact tccaagggtc caccaacagt tcagaaacct accacagtaa 1140
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caaatgctca agcaacacgg agtacacctg tttccaggac aaccaagcat tttcatgaaa 1260
caaccccaaa taaaggaagt ggaaccactt caggtactac ccgtcttcta tctgggcaca 1320
cgtgtttcac gttgacaggt ttgcttggga cgctagtaac catgggcttg ctgacttagc 1380
caaagaagag ttaagaagaa aatacacaca agtatacaga ctgttcctag tttcttagac 1440
ttatctgcat attggataaa ataaatgcaa ttgtgctctt catttaggat gctttcattg 1500
tctttaagat gtgttaggaa tgtcaacaga gcaaggagaa aaaaggcagt cctggaatca 1560
cattcttagc acacctacac ctcttgaaaa tagaacaact tgcagaattg agagtgattc 1620
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aaaagagaag gaaagtgatt tttttccaca agatctgtaa tgttatttcc acttataaag 1740
gaaataaaaa atgaaaaaca ttatttggat atcaaaagca aataaaaaacc caattcagtc 1800
tcttctaagc aaaattgcta aagagagatg aaccacatta taaagtaatc tttggctgta 1860
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cgagatgtcc atagtcaa atgttaaactc tattcttttg taatatttat ttatatttat 2160
ttatgacagt gaacattctg attttacatg taaaacaaga aaagttgaag aagatatgtg 2220
aagaaaaatg tatttttccct aaatagaaat aaatgatccc attttttggg aaaaaaaaaa 2280
aaaaaaaaaa aaaaaaaaaa aa 2302
```

&lt;210&gt; 2082

&lt;211&gt; 1958

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1340

<222> (1724)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1843)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1850)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1864)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1875)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1907)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1911)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1936)  
<223> n equals a,t,g, or c

<400> 2082  
tcaccaacca tgcaaatgtg aatgagggca tsgettccay tkc gatgctg gttgccaacg 60  
atcagatggc gctgggcgca atgcgcgcca ttaccgagtc cgggctgcgc gttggtgcgg 120  
atatctcggg agtgggatac gacgataccg aagacagctc atgttatatc ccgccgttaa 180  
ccaccatcaa acaggatttt cgcttgctgg ggcaaaccag cgtggaccgc ttgctgcaac 240  
tctctcaggg ccaggcgggtg aagggaacac agctgttgcc cgtctcactg gtgaaaagaa 300  
aaaccaccct ggcgcccacat acgcaaaccg cctctccccg cgcgttgccg gattcattaa 360  
tgcagctggc acgacagggt tcccgaactg aaagcgggca gtgagcgcaa cgcaattaat 420  
gtgagttagc tcaactcatta ggcaccccag gctttacact ttatgcttcc ggctcgtatg 480  
ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa acagctatga ccatgattac 540  
gccaaagctct aatacgactc actataggga aagctggtac gcctgcaggt accggtccgg 600  
aattccccggg tcgaccacag cgtccgaccg aaacggacac ggactgaatg ttacttttcc 660  
tcctctccta agtggaacg acttccaaac agttgaggaa ggcagtaatg tgaagttggg 720

## 1341

```

ttgcaatgtg aaagccaacc cccagggtca aatgatgtgg tacaaaaaca gtagtctcct 780
cgatttagag aaaagccgtc accaaatcca acagacaagt gagtcttttc agctgtcaat 840
caccaaagtc gagaagcctg acaacggaac ctacagttgt attgcaaagt catctctgaa 900
aacggagagc ttggactttc acctgattgt taaagataaa actgtgggtg taccaataga 960
gcccattatt gctgcatgtg ttgtgatctt tctgacattg tgctttggac tgattgctag 1020
aagaaagaaa ataatgaagc tctgcatgaa ggataaagac cctcacagtg aaacagctct 1080
atgagaaagc tgagatgcc a tcgaatacag agagagtttt gcatcaggac ctccacaatt 1140
tatgtagtcc catctgtatt tattgctatt attaaattca ctctgtcac tcctgtttca 1200
ttaatcactt aacagtagtt gktaggacta atttgataca cttgtggaac atttttatgg 1260
aaagagctat taagaatgaa aagtaagatt ttgttaagtc ttctccttga agtatatgtt 1320
aattaattga gatttggttc aaataggttg gtaatcattt actgtttagt gtgttttttt 1380
tctaggtagg agatacttgg gtctcacaaa ttggtgcaaa gccaaaaaaa aaaaaaaaag 1440
ggcgccgct ctagaggatc caagcttacg tacgcgtgca tgcgacgtca tagctcttct 1500
atagtgtcac ctaaattcaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 1560
cctggcgtaa cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat 1620
agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg 1680
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cgctacactt gccagcgccc tagcgcgcgt cctttcgctt tcttcccttc ctttcttgcc 1800
acgttcgccc ggctttcccc gtcaagctct aaatcggggg ctncctttan ggttccatt 1860
tagngcttta ccggnacctt gaccccaaaa aaacttggat taagggngaa nggttcacgt 1920
aatggggcc cattgnccct gatagaacgg gttttttc 1958

```

&lt;210&gt; 2083

&lt;211&gt; 1247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1244)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1247)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2083

```

tcgaaattaa ccctcactaa agggaaacaaa agctggagct ccaccgcggt ggcggccgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gagccgcgct cctgcctcct 120
gccccagcag gcaggaagaa tgggggctga cctctacctc ggtgctcaag agagaggccc 180
cagctggcag ggaccagaa gagcctggag atgttggtgc tggagacccc aactctgac 240
agggactccc tgtgctgatg actcagggaa cagaggacct aaagggccca ggacaaaggt 300
gtgagaatga gccactgctg gaccctgttg gccctgagcc tctggggcct gagagtcagt 360
caggaaggag agacatggtg gagatggcca cacggttttg gtccaccctg cagctagacc 420
tggaaaaggg gaaggagagt ctgttgagga agaggctggt ggcagaggag gaagaggacg 480
aagaggaggt ggaagaggat ggccccagca gctgctcgga ggacgattac agtgagctgc 540
tgcaggagat cacagacaac ctgacgaaga aggagattca gatagagaag atccatttgg 600
acacrtcctc cttcrtggag gagctgcctg gagagaagga ccttgcccac gtggtagaga 660
tctatgactt tgaaccagcg ctcaagacgg aggacctgct ggcaacgttt tctgagttcc 720
aagagaaggg gttcaggatt cagtgggtgg atgatactca cgcactcggc atctttccct 780

```



1342

```

gcckggcctc agctgcgga gacctgaccc gggagttctc ggtgctcaag atccggcccc 840
tcacrcaggg aaccaagcag tcaaagctca aagccttgca gaggccaaaa ctctgctgc 900
tggtgaagga gaggccacag acaaatgcga ctgtggcccc gcggctggtg gcccggggccc 960
tgggactcca acacaaaaag aaagagcggc ctgctgtccg ggtccgctg ccgccctgag 1020
gcctggagac ccaactggcc tggatctgcg tcccagcgta gctggcgccc ccaacaccat 1080
aagccttcac agacgccaga gcagccccgc accaccctcg agcttcacca tggggtgtgg 1140
tgggcttttag tttagtccca gaaatggaga aaaaataaaa actcacgttg ttctaattgtg 1200
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg gggncnn 1247

```

&lt;210&gt; 2084

&lt;211&gt; 2129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1705)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2084

```

tagaactagt ggatcccccc ggsctgcagg aattccgggc gtcgggtctgt gcattattgg 60
ctgggtcttg tttagcccga cgctgtacgt tgattcctgg aatccgcac atgcaccgtt 120
cttcagtgcg gtaggttctt ccatcgctat gacgctgtgg gcttttcttg gtctggagtc 180
tgcgtgtgcg aatactgatg tagtgga aaa cccggaacgt aatgtgccaa tcgcggtact 240
cggcggtagc ttaggtgcgg cggtgattta tategtctcc accaacgtga ttgcgggat 300
tgtgccaaat atggagctgg caaattcaac ggcaccattt ggtctggcct tcgcgcagat 360
gttcacgcgg gaagtgggta aagtcattat ggcgctgatg gtgatgtcct gctgcgggtc 420
gctacttggc tggcagttca ccattgccca ggtgtttaa tcttcacttg atgaaggcta 480
cttcctaaa attttctccc gtgtaaccaa agtggatgca ccgggtgcagg gaatgttgac 540
cattgtgatt attcagagtg gattggcact gatgaccatt agcccgtcgc taaacagtca 600
gttcaacgtg ctggttaacc tggcgtggc ttccagcgtt tcttcaaggc ggttgaaccg 660
aatgggtagc tga aaacgga ytg gcaa atc agtgaaa tcgccaccgc tatgggttat 720
ccgatgcact acaacaacac ccaggagatc tgggatgagt tgcgtcatct gtgcccggat 780
ttctacggtg cgacttacga gaaaatgggc gaactgggct tcattcagtg gccttgccgc 840
gatacttcag atgccgatca ggggacttct tatctgttta aagagaagtt tgataccccg 900
aacggtctgg cgcagttctt cacctgcgac tgggtagcgc caatcgacaa actcaccgac 960
gagtaccgga tggtagctgc aacggtgcgt gaagttgggc actactcttg ccgttcgatg 1020
accggttaact gtgcggyact ggcggcgctg gctgatgaac ctgggtacgc acaaatcaat 1080
accgaagacg ccaaacgtct gggatttgaa gatgaggcat tgggttgggt gactcgcgt 1140
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gcccactggc cgtaataccg tctttctac agcctcctt cggaggctgt ttttttatcc 1440
attcgaactc tttatactgg ttactcccta cccaatcgta ttatcaaat gaaaaaaatt 1500
atcgcatgta tgttgtttt gacattcttt gccacgcca acgactccga gcctggcagc 1560
cagtatttaa aggcagcaga ggcgggggac cgacgcgcac aatattttct tgccgacagc 1620
tggtttagct ccggcgatgt gagcaaagcc gaattattgg cacagaaagc cgccgacagc 1680
ggtgatgctg atgcctgcgc gctgntggcg cagatcaaaa tcaccaatcc ggtcagctctg 1740
gactatccac aagcaaaaagt tcttgagag aagcggcgcc aagcgggcag taaagaaggt 1800
gaagtaacgc tggcgcata tctggtaaat actcaagcgg gtaaaccgga ttatccaaag 1860

```

1343

```

gcaatttcgc tgtagaaaa cgctcggaa gatctggaga acgactctgc cgtcgaatgcc 1920
caaatgctgc ttgggttgat ttacgccaac ggcgtgggca ttaaggccga cgatgacaag 1980
gcaacctggt atttcaaacg cagctctgca atttcccgaa ccggttattc cgagtactgg 2040
gcgggcccgg tacccaattc gccctatagt gagtcgtatt acaattcact ggccgctcgtt 2100
ttacaacgtc gtgactggga aaaccagg 2129

```

&lt;210&gt; 2085

&lt;211&gt; 788

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2085

```

ccacgcgtcc ggcattggtg tgtgcacctg tattctcagc ctcccaagta gctgggatta 60
cagtcaggca ccaccacacc cggctaattt tgtatttttt tagtagagac agggttttctc 120
catgtcggtc agggtagtcc cgaactcctg acctcaagtg atctgcctgc ctccggcctcc 180
caagtgcctg gattacaggc gtgagccact gcacccagcc tagaatcttg tataatatgt 240
aattgtaggg aaactgctct cataggaaag ttttctgctt tttaaatata aaaatacata 300
aaaatacata aaatctgatg atgaatataa aaaagtaacc aacctcattg gaacaagtat 360
taacattttg gaatatgttt tattagtttt gtgatgtact gttttacaat ttttaccatt 420
tttttcagta attactgtaa aatgggtatta ttggaatgaa actatatattc ctcatgtgct 480
gatttgtctt atttttttca tactttccca ctggtgctat ttttatttcc aatggatatt 540
tctgtattac tagggaggca ttacagtc tctaatgttg attaatatgt gaaaagaaat 600
tgtaccaatt ttactaaatt atgcagttta aaatggatga ttttatgtta tgtggattttc 660
atttcaataa aaaaaaactc ttatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa 788

```

&lt;210&gt; 2086

&lt;211&gt; 1350

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2086

```

agtggggcgg ccattttctg ttctctctcc cgctctcgga agctttctgc tctgggggtgc 60
gaaaggtaac cgaagcggct caggaaggca gctgtcactg agccccctgga acagagcgag 120
agtatcgtaa gtaaccaggc tcagccgggt tctcaggccg ctctagtcaa ataaaccata 180
aagatcagac tcgggcttct tcaacttctt ctctccgtgg tttcgccatt agcttccggg 240
tccggggagg ggccaggttt tcttcgaaga tttggggctc cgcgatacag ttaggatggc 300
tgtagtacct ctgctgttgt tgggggggtt gtggagcgct gtgggagcgt ccagcctggg 360
tgtcgttact tgcggctccg tgggtgaagt actcaatacg cgccacaacg tccgactgca 420
ctcacacgac gtgcgctatg ggtcaggtag tgggcagcag tcagtgcagc gtgtaacctc 480
tgtggatgac agcaacagtt actggaggat acgggggaag agtgccacag tgtgtgagag 540
gggaaccccc atcaagtgtg gccagcccat ccggctgaca catgtcaaca ctggccgaaa 600
cctccatagt caccacttca ctacacctct ttctggaaac caggaagtga gtgcttttgg 660
tgaggaaggt gaagggtgatt atctggatga ctggacagtg ctctgtaatg gaccctactg 720
ggtgagagat ggtgaggtgc ggttcaaaca ctcttccact gaggtactgc tgtctgtcac 780
aggagaacaa tatggctcgc ctatcagtgg gcaaaaagag gtgcatggca tggcccagcc 840
aagtcagaac aactactgga aagccatgga aggcattctt atgaagccca gtgagttggt 900
gaaggcagaa gccaccatg cagagctgtg aatctagagg ctctgagcca ctgttaacgc 960
acaatgttca cagacatctg ttgctgcctc accttgggat ccctgccaca agttccttgg 1020
gcagtggcca tgtcaccatt gagatgaaga tatacaacag aaaatagtgg ctgtgtttgg 1080

```

## 1344

```

aagcttcagc cctgcacatt tgaactagtc actctcccag acttgcgtag gtcagttctt 1140
tctgagtaga ggacttgctg gtaaaggggc agatgctttt tattagtact gataaaacaa 1200
actgagggaa acatccctct tagctgggaa acttttactc ttcaggagct tggcatcatg 1260
gactgttaat gtatgtgatt ttccccctat tttctctctc caaatgata aaaacaataa 1320
ttttaaaaaa aaaaaaaaaa aaactcgagg                                     1350

```

```

<210> 2087
<211> 716
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

```

```

<400> 2087
gggggtgtggt agtatccatt gttttaatta gcatttctct agtgatatag ggtgttaagc 60
tccatttcat gttttttnt tttctctatt atctttggtg atacatntgn tcagattttt 120
tgctnttttt taagattttt tctttattgt gtgntaagag ttcttggtat attttagata 180
ccagtccttt ataagatgtg tttgacaaat attttctcct agtctgtggc ttgtcttttc 240
atttttttta aacagtgttt tacagagaag aaaaattttc aattttaatg aagtctacct 300
tatcaatttt ttctttatgg gtcattgatt tcgtgctgtg ttacaaaata tattgcaaaa 360
caagattttt ttcttcatta tctacaagtt ttacagtttt gaattgtatg tataggctctg 420
tgatactttt tgagttaact tttgtgaaag ataaaaggtc agtggtggat agattatttt 480
tcctttttgca tgtggttgtc cagcaccatg aagactcttc cttctccact gaattgtctt 540
tgtacttttg ccaaagatca gatttacctc ttaaatcttt gtcaaacctg tccacttctc 600
accatctcca ttttcaatct cttcggacgc gtgggcggac gcgtgggtcg acccggaat 660
tccggaccgg tacctgcagg cgtaccagct ttccctatag tgagtcgtat tagagc 716

```

```

<210> 2088

```

1345

&lt;211&gt; 1424

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1391)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1406)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1415)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2088

```
gaattcggca cgagtggcta tatatttctt cacttgcaat tgcctcatgg ggttcttata 60
aggctgaaat ccaataacgg atacaaaaat actttaaaaa gtaggcatgg atttctactg 120
acagccatga gagagtttct agaactagac ctggatggcc ccaaacaact agaaaattgg 180
acaaaagata taaaaaaaaa actgttttca accattggac agtagtcagc ataggactct 240
tatctttgag agaaggggca aaaacaagat gatccctata agcttcctta atttcttttt 300
tttctttttt tgagacgctg tctccaaaac aaaacaaaag aataggacaa tctcgtatth 360
cctctatcta gactcaacaa ttcttaatat ttgctttatc cctgtctttc tacacatgca 420
tacacataca cacacacagg catacataat tgcataattt caggggtgth ttgctgatct 480
atttgaaagt aagtttcaga cattatgaca cctactccta attcctcatg ttttttctaa 540
gaataaggat attatcttac ctaacatatc ttttatcaaa cctacaaaaa ttaacaattt 600
tatatctaat attagtthcat gtttaggtht tgcctgthtt ccccaaatg tcttttacag 660
tacatgthtt taaaaccagg atctaaggag ttcacagatt atatttggtt attatgtctc 720
tttagtgtht tttggcatcc ttgggtthtt tacttttatt ccccatgaca ctgactattg 780
gaagagtcca gaccaatttt ctatttgatt gcttccytgt gtgtatcatt taatttgtht 840
ctctatctca tgtgtthttt gtaaaactgaa agtttaggtg agagattgag tctaaatatt 900
tttggcaagt atatgtcgtg ggtaacattt gtgctthtata ctgcatcata ttgggagata 960
aataatatta tattgccatc tctgttagtg cagccattag aaagacattg tgcctatgtc 1020
tgtctcttht ctgtgtthtg tatctgttga gagccatatt tttataaaaa tcttaaagca 1080
ttgtcctctg tgaagaaat atattagaaa aattacactt gacagtataa gaattgttga 1140
tttgaataaa tacatgattt ttagaagaca tatgtatgac cagcaggaat agtagcctaa 1200
taggccttht tttgggacag aatacacttc agatcatcca gaaatctaaa atcaggcctg 1260
tgtgccttht actggtatct tccatgtggt gttgaagagt ttgagaattt aaaagaaaat 1320
gaattaatac taagcaagac acactthttt ctttgthtct taaaaaaaaa aaaaaaaar 1380
actcgagggg ncccttggtg cccganctca agggngcata gtcg 1424
```

&lt;210&gt; 2089

&lt;211&gt; 1226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1346

&lt;221&gt; misc feature

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1180)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1197)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1215)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1221)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1224)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2089

```
ggcacgagcg gcggtgggtca atgcggttcta ctccccaac cgaaaccaga ttgtattccc 60
tgccggggtc ctccagcccc ccttcttcag caaggagcag ccacaggcct tgaactttgg 120
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1347

&lt;210&gt; 2090

&lt;211&gt; 1632

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1602)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1616)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1617)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1628)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2090

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## 1348

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<211> 2429

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (2301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2307)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2363)

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<221> misc feature

<222> (2373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2406)

<223> n equals a,t,g, or c

<400> 2091

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1349

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&lt;210&gt; 2092

&lt;211&gt; 902

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (834)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (864)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (894)

&lt;223&gt; n equals a,t,g, or c



1350

&lt;400&gt; 2092

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cg

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&lt;210&gt; 2093

&lt;211&gt; 1815

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2093

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## 1351

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<210> 2094

<211> 5459

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3960)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3961)

<223> n equals a,t,g, or c

<400> 2094

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1352

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1353

```

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```

&lt;210&gt; 2095

&lt;211&gt; 2085

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2062)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2065)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2084)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2095

```

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gcggctgccc aacctgctgg gccacgagac catgaaggag gtgctggagc aggcggcg 480
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```

## 1354

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aaaaaaaaaa aaaaaaaaaa anaanaaaaa aaaaaaaaaa aaana 2085

```

&lt;210&gt; 2096

&lt;211&gt; 1781

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2096

```

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1355

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa g 1781

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```

<210> 2097
<211> 3095
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (3049)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (3072)
<223> n equals a,t,g, or c

```

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<400> 2097
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ggagctccct aaagtgcatt gaattggggc ttgggtgtgt ggagggacca aggggtaggc 120
tgctagcagc tgaaggtgtc gtaggttttt actaaagaac cttccactgt ctagagactt 180
gagagagggg aagagagaga gaggcctaga cgaacacaat cacatgtttt ctttgcgtgt 240
cctcccgagg tgggcctgtt ttgggggttt ggactctgaa cccgagcggg gttccttcgc 300
ttgactttga tcttggtcct taaatgcctt tccccactcc cctcccgagg gttcaggggc 360
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tttgggtgtc accacgtcct ctgcctgtct ccagggtgta caggagatgt ggttcctctc 720
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gatggagcag gcccttcacc ggtttgggag aggggttggtc tggctgtcag ttgcctggct 1860

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## 1356

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```

&lt;210&gt; 2098

&lt;211&gt; 1414

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2098

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cccaagactt tggaggactt ccgggtcaag acctgcgggg gcgccaccgt gaccattgtc 180
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```

1357

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa

1414

&lt;210&gt; 2099

&lt;211&gt; 2171

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2093)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2099

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ctcactatag ggaaagctgg tacgcctgca ggtaccggtc cggaattccc gggtcgaccc 120  
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1358

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ygccagctgc gtaatagcra agaggscgcs accgatcgcc cttccaacag ttgcgcagcc 2160
tgaatggcga a                                     2171

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&lt;210&gt; 2100

&lt;211&gt; 1186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2100

```

gcggacgcgt gggcagcccc gggggctgcc cttgggtgct cccttccctg cccgacaccc 60
agaccgacct tgaccgcccc cctggcagga gcaggacagg acggccggac ggggccatgg 120
ccgagctccc ggggcccctt ctctgctggg ccctgctagg ctctctgtgc ctgagtgagg 180
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agctgacctg cacctacagc acgtcgggtg gagacagctt cggcctggag tggagctttg 300
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ctgcactgag atgcagctct tccgaggggg ctcttaagcc agtgtacaac tgggtgcgtc 660
ttggaacttt tctacacct tctcctggca gcatggttca agatgagggt tctggccagc 720
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aattaaagtc tgtgggtacc aaaaaaaaaa aaaaaaaagt cgacgc 1186

```

1359

&lt;210&gt; 2101

&lt;211&gt; 3109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2101

```
gtggcggccg ctctagaact agtggatccc ccgggctgca ggaattcggc acgaggtgac 60
ccasgcatct ctgtatctgt ttgaagctac aggaaagcga ttttatttca aaaatgttgc 120
catttttgatt cctgaaacat ggaagacaaa ggctgactat gtgagaccaa aacttgagac 180
ctacaaaaat gctgatgttc tgggtgctga gtctactcct ccaggtaatg atgaacccta 240
cactgagcag atgggcaact gtggagagaa gggtgaaagg atccacctca ctctgattt 300
cattgcagga aaaaagttag ctgaatatgg accacaagg agggcatttg tccatgagtg 360
ggctcatcta cgatggggag tatttgacga gtacaataat gatgagaaat tctacttata 420
caatggaaga atacaagcag taagatgttc agcagggtatt actggtacaa atgtagtaaa 480
gaagtgtcag ggaggcagct gttacaccaa aagatgcaca ttcaataaag twacaggact 540
ctatgaaaaa ggatgtgagt ttgttctcca atcccggcag acggagaagg cttctataat 600
gtttgcacaa catgttgatt ctatagttga attctgtaca gaacaaaacc acaacaaaga 660
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1360

```

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aatgtattcc tgtagggggc gatatactaa atgtatttta gacttcctgt agggggcgat 2820
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tttaawaatc attgagtctt ttattaatga atttgaatac tagaaagaaa cagggcttgc 2940
atcaataaat ggaagtatgt ttttatttgt ttttaaggagc tttgccagtt aaaaacaaca 3000
tgcaattgca gaaatctaac agagttgcta aaagttgggt gatttctttt ggtgaagaaa 3060
agccaatcta aattatttaa atataaaaaga catgacttgg tttaaaaaa 3109

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&lt;210&gt; 2102

&lt;211&gt; 1438

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2102

```

accacgcgt ccgactcta gcgggtatct gccaccatg gccctggtgc tgatcctcca 60
gctgctgacc ctctggcctc tgtgtcacac agacatcact ccgtctgtcc cccagcttc 120
ataccacct aagccatggc tgggagctca gccggctaca gttgtgacct ctggggctcaa 180
cgtgaccttg agatgccggg caccccaacc cgcttgagga tttggacttt tcaagcctgg 240
agagatcgct ccccttctct tccgggatgt gtcctccgag ctggcagaat tctttctgga 300
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gccgggtgtc tgggtcccag ccagcgatgt cctggagctg ctggtgacag aggagctgcc 420
gcggccgtcg ctggtggcgc tgcccgggcc ggtggtgggt cctggcgcca acgtgagcct 480
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cccgtgcag taccgccact ccgcgcagcc ctgggcccag ttacgctgc tgggcgccc 600
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tctactcact gtagtagtag cagctacaga aaggtagtag tgagacgtga agccagctgg 1140
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggsggccg ctctagagga tccctcga 1438

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&lt;210&gt; 2103

&lt;211&gt; 2443

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2103

```

ggagcagctg ctgcagcagg agcagagcag gagacgcgta ccgccgtcgc gcgcggcg 60
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ccgcggcgcc cgmctagccg tgcgggtcca ggccgcgccc tccccggggc cccgcgggct 180
cgcatgccga ggggctccgg ggcgtactgc gcgcggcgcc ccgcctccgg gctccttcgg 240
ccmcgccatg ggctgctgca gctccgcctc ctccgcggcg cagagctcca aacgagaatg 300

```

1361

```

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agtgtcagga tacgacagct atggaaatat ctgtgggcag aaaaatacaa agttggaagc 480
aataccaaac agtggcatgg accacaccca gcggaagtat gtattctttt tggatccatg 540
caacctggac ttgataaacc ggaagattaa gtctgtagca ctgtgtgtag cagcgtgtcc 600
aaggcaagaa ctgaaaactc tgagtgatgt tcagaagttt gcagagataa atggttcagc 660
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ctgttgagag tctgcgatta tgaagagcag gatcttatta cttcaatgaa agcatgtaac 2340
aagtttctca aaccaccaac agccaagtgg atttggtaca gtgcggctgt ctaataaata 2400
atcaaaagca tttgatagaa aaaaaaaaaa aaaggcgctg cgc 2443

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&lt;210&gt; 2104

&lt;211&gt; 2519

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1349)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2519)

&lt;223&gt; n equals a,t,g, or c

1362

&lt;400&gt; 2104

```
ggcagagcac ttcttgccca ggaaacctga gcggtgagac tcccagctgc ctacatcaag 60
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tgagatgca ggcacctgag ccaaggcgtc cagtggctct tgcttctggc tgtcttggtc 180
ttctttctct tcgccttgcc ctcttttatt aaggagcctc aaacaaagcc ttccaggcat 240
caacgcacag agaacattaa agaaaggtct ctacagtccc tggcaaagcc taagtcccag 300
gcaccacaaa gggcaaggag gacaaccatc tatgcagagc cagygccaga gaacaatgcc 360
ctcaacacac aaaccaggcc caaggcccac accaccggag acagaggaaa ggaggccaac 420
caggcaccgc cggaggagca ggacaaggtg cccacacag cacagagggc agcatggaag 480
agcccagaaa aagagaaaac catggtgaac aactgtcac ccagagggca agatgcaggg 540
atggcctctg gcaggacaga ggcacaatca tggaagagcc aggacacaaa gacgaccaa 600
ggaaatgggg gccagaccag gaagctgacg gcctccagga cgggtgtcaga gaagcaccag 660
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attttctaca gtgaagcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaan 2519
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&lt;210&gt; 2105

&lt;211&gt; 1312

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2105

1364

```

ttgattctta tgataatatg gaaaagttaa ccattataga aaagcaaagc ttgagtttcc 1380
taaagtgaag ctttttaaagt aatgaacatt aaaaaaaacc attatttcac tgtcatttaa 1440
gatatgtgtt cattggggat ctcttgattt gcctgacatt gacttcagca aaagcacggg 1500
gctgtaaatt accatttact agattagcca aatagtctga atttccagaa aacaaggcag 1560
aatgatcatt cccagaaaca tttcccagaa aatgtttccc agaaaactag acagmatgat 1620
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acaggagtta actgatttgt tgtggtgctc agactttttt atacagggtc tagtggttta 1740
tcctatgtat ttttaactcat tagtgcataa aggcaagccc catataatga agtctcaggg 1800
tatatgaaag tagctggcctt caaaaataaaa tttttgagtg caaaaaaaaa aaaaaataaa 1860
aaaaaaaaa a 1871

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&lt;210&gt; 2107

&lt;211&gt; 1309

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2107

```

gaattcggca cgagaagata taaaagctcc agaaacgttg actgggacca ctggagacac 60
tgaagaaggc agggggccctt agagtcttgg ttgccaaaca gatttgcaga tcaaggagaa 120
cccaggagtt tcaagaagc gctagtaagg tctctgagat ccttgacta gctacatcct 180
cagggtagga ggaagatggc ttccagaagc atgcggctgc tcctattgct gagctgcctg 240
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taccacaagt ccaattgcta tggttacttc aggaagctga ggaactggtc tgatgccgag 360
ctcgagtgtc agtcttacgg aaacggagcc cacctggcat ctatcctgag tttaaaggaa 420
gccagcacca tagcagagta cataagtggc tatcagagaa gccagccgat atggattggc 480
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aacaactttt taacttggag cagcaacgaa tgcaacaagc gccaacactt cctgtgcaag 660
taccgaccat agagcaagaa tcaagattct gctaactcct gcacagcccc gtccctcttc 720
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taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aaactcgagg gggggcccg acccaatcgc ctgatcatga tcgtataca 1309

```

&lt;210&gt; 2108

&lt;211&gt; 943

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1365

&lt;221&gt; misc feature

&lt;222&gt; (866)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2108

```

antccccgggt cgcacsagcg kcacgccgca tcctagccgc cgactcacac aaggcaggtg 60
ggtgagggaaa tccagagttg ccatggagaa aattccagtg tcagcattct tgctccttgt 120
ggccctctcc tacactctgg ccagagatac cacagtcaaa cctggagcca aaaaggacac 180
aaaggactct cgacccaaac tgccccagac cctctccaga ggttgggggtg accaactcat 240
ctggactcag acatatgaag aagctctata taaatccaag acaagcaaca aacccttgat 300
gattattcat cacttggtg agtgcccaca cagtcaagct ttaaagaaag tgtttgctga 360
aaataaagaa atccagaaat tggcagagca gtttgcctc ctcaatctgg tttatgaaac 420
aactgacaaa cacctttctc ctgatggcca gtatgtccc aggattatgt ttgttgaccc 480
atctctgaca gttagagccg atatcactgg aagatattca aaycgtctct atgcttacga 540
acctgcagat acagctctgt tgcttgacaa catgaagaaa gctctcaagt tgctgaagac 600
tgaattgtaa agaaaaaaaa tctccaagcc cttctgtctg tcaggccttg agacttgaaa 660
ccagaagaag tgtgagaaga ctggctagtg tggaagcata gtgaacacac tgattaggtt 720
atggtttaat gttacaacaa ctatttttta agaaaaacaa gttttagaaa tttggtttca 780
agtgtacatg tgtgaaaaca atattgtata ctaccatagt gagccatgat tttctaaaaa 840
aaaaaataaa tgttttgggg gtgttntaaa aaaaaaaaaa aaaagtgagt gaactaacaa 900
aaaaaaagtt ttgcccccaa ggggacgggt tacaattggg ggg 943

```

&lt;210&gt; 2109

&lt;211&gt; 1377

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2109

```

ggcacgagaa aaccttgagg tgattcatct tccaggtctt ccttccatca agtctctcct 60
ccctagcgct ctgggtcctt aatggcagca gccgccgcta ccaagatcct tctgtgcctc 120
ccgcttctgc tcctgctgtc cggttggtcc cgggctgggc gagccgacct tactctctt 180
tgctatgaca tcaccgtcat ccctaagttc agacctggac cacggtgggtg tgcggttcaa 240
ggccagggtg atgaaaagac ttttcttcac tatgactgtg gcaacaagac agtcacacct 300
gtcagtcccc tggggaagaa actaaatgtc acaacggcct ggaaagcaca gaaccagta 360
ctgagagagg tgggtggacat acttacagag caactgcgtg acattcagct ggagaattac 420
acaccaagg aaccctcac cctgcaggcc aggatgtctt gtgagcagaa agctgaagga 480
cacagcagtg gatcttggca gttcagtttc gatgggcaga tcttctcct ctttgactca 540
gagaagagaa tgtggacaac ggttcacctt ggagccagaa agatgaaaga aaagtgggag 600
aatgacaagg ttgtggccat gtccttccat tacttctcaa tgggagactg tataggatgg 660
cttgaggact tcttgatggg catggacagc accctggagc caagtgcagg agcaccactc 720
gccatgtcct caggcacaa ccaactcagg gccacagcca ccacctcat cctttgctgc 780
ctctcatca tcttccctg cttcatctc cctggcatct gaggagagtc ctttagagt 840
acagggttaa gctgatacca aaaggctcct gtgagcacgg tcttgatcaa actcgccctt 900
ctgtctggcc agctgccac gacctacggg gtatgtccag tggcctccag cagatcatga 960
tgacatcatg gacccaatag ctcatteact gccttgattc cttttgccaa caattttacc 1020
agcagttata cctaacatat tatgcaattt tctcttggtg ctacctgatg gaattcctgc 1080
acttaaagtt ctggctgact aaacaagata tatcattttc tttcttctt ttttgtttgg 1140
aaaatcaagt acttctttga atgatgatct ctttcttgca aatgatattg tcagtaaaat 1200
aatcacgtta gacttcagac ctctggggat tctttccgtg tctgaaaga gaatttttaa 1260
attatttaaa aagaaaaaat ttatattaat gattgtttcc tttagtaatt tattgttctg 1320
tactgatatt taaataaaga gttctatttc caaaaaaaaa aaaaaaa 1377

```

1366

&lt;210&gt; 2110

&lt;211&gt; 788

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2110

```
gcgcgacccg ccccgccccg tccagtctgg cctggggcgcc gcgggaacgc tgtcctggct 60
gccgccaccc gaacagcctg tcctgggtgcc ccggctccct gccccgcgcc cagtcatgac 120
cctgcgcccc tcactcctcc cgctccatct gctgctgctg ctgctgctca gtgcggcggt 180
gtgccggggt gaggtctggg tcgaaaccga aagtcccgtc cggaccctcc aagtggagac 240
cctgggtggag cccccagAAC catgtgccga gcccgctgct tttggagaca cgcttcacat 300
acactacacg ggaagcttgg tagatggacg tattattgac acctccctga ccagagaccc 360
tctggttata gaacttggcc aaaagcaggt gattccaggt ctggagcaga gtcttctcga 420
catgtgtgtg ggagagaagc gaagggcaat cattccttct cacttggcct atggaaaacg 480
gggatttcca ccatctgtcc cagcggatgc agtgggtgcag tatgacgtgg agctgattgc 540
actaatccga gccaaactact ggctaaagct ggtgaagggc attttgcctc tggtagggat 600
ggccatgggt ccascctcct gggcctcatt gggatatcacc tatacagaaa ggccaataga 660
cccaaagtct ccaaaaagaa gctcaaggaa gagaaacgaa acaagagcaa aaagaaataa 720
taaataataa atttttaaaa acttaaaaaa aaaaaaaraa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaa                                     788
```

&lt;210&gt; 2111

&lt;211&gt; 1019

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2111

```
agggattctt gctccaccct gtgtacctgc tccgagtgtc tttccccctc cccaccccag 60
caggccagtc ctgggccccA gctccagagc actcacgggc tgccaggggtg agcaggctag 120
aaactcacga caccaaggag atccagggtta aaaagtacaa gtgtggcctc atcaagccct 180
gcccagccaa ctactttgcy tttaaaatct gcagtggggc cgccaacgtc gtgggccccta 240
ctatgtgctt tgaagaccgc atgatcatga gtctgtgtaa aaacaatgtg ggcagaggcc 300
taaacatcgc cctggtgaat ggaaccacgg gagctgtgct gggacagaag gcatttgaca 360
tgtactctgg agatgttatg cacctagtga aattccttaa agaaattccg ggggggtgcac 420
tggtgctggt ggcctcctac gacgatccag ggacccaaat gaacgatgaa agcaggaaac 480
tcttctctga cttggggagt tcctacgcaa aacaactggg cttccgggac agctgggtct 540
tcataggagc caaagacctc aggggtaaaa gcccttttga gcagttctta aagaacagcc 600
cagacacaaa caaatacgag ggatggccag agctgctgga gatggagggc tgcatgcccc 660
cgaagccatt ttagggtggc tgtggctctt cctcagccag gggcctgaag aagctcctgc 720
ctgacttagg agtcagagcc cggcaggggc tgaggaggag gagcaggggg tgctgcgtgg 780
aaggtgctgc aggtccttgc acgctgtgtc gcgcctctcc tctcggaaa cagaaccctc 840
ccacagcaca tcctaccggg aagaccagcc tcagagggtc cttctggaac cagctgtctg 900
tgagagagaat ggggtgcttt cgtcaggggc tgctgacggc tggctctgag gaaggacaaa 960
ctgcccagac ttgagcccaa ttaaatttta tttttgctgg ttttgaaaaa aaaaaaaaaa 1019
```

&lt;210&gt; 2112

&lt;211&gt; 975

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



1367

&lt;400&gt; 2112

```

tccggggtca gacgtgcct tccacttcaa tccgcgggtt gacggctggg acaaggtggt 60
cttcaacacg ttgcagggcg ggaagtgggg cagcgaggag aggaagagga gcatgccctt 120
caaaaagggt gccgcctttg agctggtctt catagtcttg gctgagcact acaaggtggt 180
ggtaaagtga aatcccttct atgagtacgg gcaccggctt cccctacaga tggtcaccca 240
cctgcaagtg gatggggatc tgcaacttca atcaatcaac ttcacgagag gccagcccct 300
ccggccccag ggacccccga tgatgccacc ttaccctggg cccggacatt gccatcaaca 360
gctgaacacg ctgcccacca tggaaggacc cccaaccttc aaccgcctg tgccatattt 420
cgggaggctg caaggagggc tcacagctcg aagaaccatc atcatcaagg gctatgtgcc 480
tcccacaggc aagagctttg ctatcaactt caagggtggc tcctcagggg acatagctct 540
gcacattaat ccccgcatgg gcaacggtac cgtggtccgg aacagccttc tgaatggctc 600
gtggggatcc gaggagaaga agatcaccca caaccattt ggtcccgac agttctttga 660
tctgtccatt cgctgtggct tggatcgctt caaggtttac gccaatggcc agcacctctt 720
tgactttgcc catgcctctt cggccttcca gaggggtggc acattggaaa tccaggggtg 780
tgtcaccttg tcctatgtcc agatctaate tattcctggg gccataactc atgggaaaac 840
agaattatcc cctaggactc ctttctaagc ccctaataaa atgtctgagg gtgtctcaaa 900
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaaa 975

```

&lt;210&gt; 2113

&lt;211&gt; 1173

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2113

```

gcccacgcgt ccgcccacgc gtccgctgga cggcagctat gcgactcacc gtgctgtgtg 60
ctgtgtgcct gctgcctggc agcctggccc tgccgctgcc tcaggaggcg ggaggcatga 120
gtgagctaca gtgggaacag gctcaggact atctcaagag attttatctc tatgactcag 180
aaacaaaaaa tgccaacagt ttagaagcca aactcaagga gatgcaaaaa ttctttggcc 240
tacctataac tggaatgtta aactcccgcg tcatagaaat aatgcagaag cccagatgtg 300
gagtgccaga tgttgacaga tactcactat ttccaaatag cccaaaatgg acttccaaag 360
tggtcaccta caggatcgta tcatatactc gagacttacc gcatattaca gtggatcgat 420
tagtgtcaaa ggcttttaaac atgtggggca aagagatccc cctgcatttc aggaaagttg 480
tatggggaac tgctgacatc atgattggct ttgcgcgagg agctcatggg gactcctacc 540
catttgatgg gccaggaaac acgctggctc atgcctttgc gcctgggaca ggtctcggag 600
gagatgctca cttcgatgag gatgaacgct ggacggatgg tagcagtcta gggattaact 660
tcctgtatgc tgcaactcat gaacttggcc attctttggg tatgggacat tcctctgac 720
ctaattgcagt gatgtatcca acctatggaa atggagatcc ccaaaatttt aaactttccc 780
aggatgatat taaaggcatt cagaaactat atggaaagag aagtaattca agaaagaaat 840
agaaacttca ggcagaacat ccattcattc attcattgga ttgtatatca ttgttgaca 900
atcagaattg ataagcactg ttctccactc ccatttagca attatgtcac ctttttttat 960
tgcagttggt ttttgaatgt ctttcaactc ttttaaggat aaactccttt atgggtgtgac 1020
tgtgtcttat tcactatata ttgcagtggg tagatgtcaa taaatgttac atacacaaat 1080
aaataaaatg tttattccat ggtaaattta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ata 1173

```

&lt;210&gt; 2114

&lt;211&gt; 1708

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1368

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1109)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2114

```
acttcagttc tcgagagaag aggcggggagt ggacctggtc agccctaccc cactgacccc 60
accggaccca ggcgcggcct ccgccacagc cacagcccct gccctgctg cggcgcggcg 120
aggcgaggcg atggccaagg tgtcgggtgct gaacgtggcg gtcctggaga acccgagccc 180
tttccacagc cccttccggt tcgagatcag cttcgagtgc agtgaagccc tggcggacga 240
cctggagtgg aagatcattt atgttggctc ggctgagagt gaggaatttg atcagatcct 300
agactcgggtg ctggtgggccc ctgtgccagc agggagacac atgtttgtct ttcaggccga 360
cgcccccaac ccattccctca tcccagagac tgatgccgtg ggtgtgactg tggtcctcat 420
cacctgcacc taccatggac aggagttcat ccgagtgggc tactacgtca acaacgagta 480
cctcaaccct gagctgcgtg agaaccgcgc catgaagcca gatttctccc agctccagcg 540
gaacatcttg gcctcgaacc cccgggtgac ccgcttccat atcaactggg acaacaacat 600
ggacaggctg gaggccatag agaccagga cccctccctg ggctgcggcc tccactcaa 660
ctgcactcct atcaagggtc tggggctccc tggctgcac cctggcctcc tccctgagaa 720
ctccatggac tgcattcaac tgcaggaacc cagagtgtcc cagcacgccg ggaggggcaa 780
ccaggcctcc cagcgagtcc tgcaggcccc atctagagga ctttgggggc catcagctgc 840
aatccaggtc tgtcaaaactc agcccctagg aaagaacagg ccttgggtct cccctagtcc 900
tggccagaag gatgatctcg cttttcctct acaggcctat aagaagcagg tacttcagtt 960
ctaaattctg acttgtgttc ttttcgtctt cataaattct aactaaggcc actgtgccac 1020
tgtgcaccct tgagtaccat tgatccaaag ctttcccaca gacctccctg gccacctag 1080
aggctttctt ggtcagtgc tgtcaaggnt ccagtcctgc tgagccaaag gctttgtcat 1140
tcctttctct tcctgtacat ctgagcagac ccactccagc tttctggtgt cacaggcggg 1200
aatgtaggtt agtaggtaga cttagatccc atttctgtcc tgctcccagg aagattctta 1260
ggctcctctt aatccagcag cccctcccag aggtgtgatc agcaggatgc tgaggaacca 1320
tggtgccttt cctgtcaatc acagccacct tcctgttatc tcctaaatgg atctggcttt 1380
tcctggaggc tgccatggtt ggaagatggt atcagagggc ctgcctgggc agtctgtctc 1440
cgggccaggg tcagggaccc tctgcctctg gcagccttaa cctgtcctct gctaggacca 1500
gggtgatttc aagccaggga agcaactggg accctgaaaa ctgtccctcc ccagcccgt 1560
ccccctctct gtgccttggc ccccttgctg ccattgtggat gctgttgtga ttgctgtttg 1620
tatattatca aaatgttttt atattaaaaa tgtttggtct gaaaattaaa agcacttcat 1680
ttagaaaaaa aaaaaaaaaa aaaaaaaaaa 1708
```

&lt;210&gt; 2115

&lt;211&gt; 1877

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2115

```
cctgaagggg gagcagggag agagaggaca gtggccagag agggctctgg gcactggagg 60
gacgtctctt ttctgcccga ggggtccctg ggccgatggg atcacgcaga agaatgcgag 120
agaagcagcc tttgagaagg gaagtcacta tcccagagcc cagactgagc ggatggagtt 180
gaggaagtac ggccctggaa gactggcggg gacagttata ggaggagctg ctgagagtaa 240
atcacagact aaatcagact caatcacaaa agagtctctg ccaggccttt acacagcccc 300
ttcctccccg ttccgcctt cacaggtgag tgaccaccaa gtgctaaatg acgccgaggt 360
tgccgccctc ctggagaact tcagctcttc ctatgactat ggagaaaacg agagtgamtc 420
gtgctgtacc tccccgcctt gccacagga cttcagcctg aacttcgacc gggccttcc 480
gccagccctc wacagcctcc tctttctgct ggggctgctg ggcaacggcg cgggtggcagc 540
```

1369

```

cgtgctgctg agccggcgga cagccctgag cagcaccgac accttcctgc tccacctagc 600
tgtagcagac acrcctgctgg tgetgacact gccgctctgg gcagtggacg ctgccgtcca 660
gtgggtcttt ggctctggcc tctgcaaagt ggcaggtgcc ctcttcaaca tcaacttcta 720
cgcaggagcc ctctgctggg cctgcatcag ctttgaccgc tacctgaaca tagttcatgc 780
caccagctc taccgccggg gggccccggc ccgctgacc ctcacctgcc tggctgtctg 840
ggggctctgc ctgcttttgc cctcccaga cttcatcttc ctgtcggccc accacgacga 900
gcgcctcaac gccacccact gccaatataa cttcccacag gtggggcgca cggctctgcg 960
ggtgctgcag ctggtggctg gctttctgct gcccctgctg gtcatggcct actgctatgc 1020
ccacatcctg gccgtgctgc tggtttccag gggccagcgg cgcctgcggg ccatgcggct 1080
ggtggtggtg gtctggtggg cctttgccct ctgctggacc ccctatcacc tgggtggtgct 1140
ggtggacatc ctcatggacc tgggcgcttt gggccgcaac tgtggccgag aaagcagggg 1200
agacgtggcc aagtcggtca cctcaggcct gggctacatg cactgctgcc tcaaccgcct 1260
gctctatgcc tttgtagggg tcaagttccg ggagcggatg tggatgctgc tcttgcgcct 1320
gggctgcccc aaccagagag ggctccagag gcagccatcg tcttcccgcc gggattcatc 1380
ctggtctgag acctcagagg cctcctactc gggcttgtga ggccggaatc cgggctccc 1440
tttcgccac agtctgactt ccccgcatc caggctctc cctccctctg ccggctctgg 1500
ctctcccaa tctctcgtc cccgggactc actggcagcc ccagcaccac caggtctccc 1560
gggaagccac cctccagct ctgaggactg caccattgct gctccttagc tgccaagccc 1620
catcctgccg ccgaggtgg ctgcctggag cccactgcc cttctcattt ggaaactaaa 1680
acttcattt ccccaagtgc ggggagtaca aggcattggc tagaggggtg tgccccatga 1740
agccacagcc caggcctcca gctcagcagt gactgtggcc atgggtccca agacctctat 1800
atgtgctctt ttatttttat gtctaaaatc ctgcttaaaa cttttcaata aacaagatcg 1860
tcaggaaaaa aaaaaaa 1877

```

&lt;210&gt; 2116

&lt;211&gt; 828

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (787)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (819)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (827)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2116

```

ggcacgagag atggcgggcg aacagcgggg ctgcgggggt gctgcgcagc tggcgggggc 60
ggcgggcgag gctgaccccc taggacgctt cagtggtccc gtgtgcttag aggtgtacga 120
gaagccggta caggtgccct gcggacacgt cttttgctct gcatgcctgc aggaatgtct 180
gaagccgaag aagcctgtct gtgggggtgtg tcgcagcgct ctggcacctg gcgtccgagc 240
cgtggagctc gagcggcaga tcgagagcac agagacttct tgccatggct gccgtaagaa 300
tttcttcctg tccaagatcc ggtcccacgt ggctacttgt tccaaatacc agaattacat 360

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## 1370

```

catggaaggt gtgaaggcca ccattaagga tgcattcttt cagccaagga atgttccaaa 420
ccgttacacc tttccttgct cttactgtcc tgagaagaac tttgatcagg aaggacttgt 480
ggaacactgc aaattattcc atagcacgga taccaaactc gtggtttgct cgatatgtgc 540
ctcgatgccc tggggagacc ccaactaccg cagcgccaac ttcagagagc acatccagcg 600
cgggcaccgg ttttcttatg acacttttgt ggattatgat gttgatgaag aggacatgat 660
gaatcaggtg ttgcagcgct ccatcatcga ccagtgaagc gaggccgtgc ttgctatctg 720
tctcatgtta cagagcttcc attacatatt aaacgtgaaa tctatgaaaa aaaaaaaggg 780
gggggggnccc ggttacccca atttcggccc tattaggtna agtcgtna 828

```

&lt;210&gt; 2117

&lt;211&gt; 2520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2520)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2117

```

ggcacgagca cttcctggcc aggaacactg agcggtgaga ctcccagctg cctacatcaa 60
ggccccagga catgcagaac cttcctctag aacccgaccc accaccatga ggtcctgcct 120
gtggagatgc aggcaactga gccaaggcgt ccagtgggtc ttgcttctgg ctgtcctggg 180
cttcttttctc ttgcgcttgc cctcttttat taaggagcct caaacaagc cttccaggca 240
tcaacgcaca gagaacatta aagaaaggct tctacagtcc ctggcaaagc ctaagtccca 300
ggcacccaca agggcaagga ggacaacat ctatgcagag ccagtgccag agaacaatgc 360
cctcaacaca caaaccacgc ccaaggccca caccacgga gacagaggaa aggaggccaa 420
ccaggcaccg ccggaggagc aggacaaggt gcccacaca gcacagaggg cagcatggaa 480
gagcccagaa aaagagaaaa ccatggtgaa cacactgtca ccagagggc aagatgcagg 540
gatggcctct ggcaggacag aggcacaatc atggaagagc caggacacaa agacgacca 600
aggaaatggg ggccagacca ggaagctgac ggctccagg acggtgtcag agaagacca 660
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tcccacagga gcagtgtcaa caaggacgag acagaaagga gtgaccacag cagtcatccc 780
acctaaggag aagaaacctc aggccacccc acccctgcc cctttccaga gcccacgac 840
gcagagaaac caaagactga aggcgcgcaa cttcaaactc gagcctcggt gggattttga 900
ggaaaaatac agcttcgaaa taggaggcct tcagacgact tgccctgact ctgtgaagat 960
caaagcctcc aagtcgctgt ggctccagaa actctttctg cccaacctca ctctcttcc 1020
ggactccaga cacttcaacc agagtgaagt ggaccgctg gaacactttg caccaccctt 1080
tggcttcatg gagctcaact actccttggt gcagaaggct gtgacacgct tccctccagt 1140
gccccagcag cagctgctcc tggccagcct ccccgctggg agcctccggt gcatcacctg 1200
tgccgtggtg ggcaacgggg gcacccctgaa caactccac atgggccagg agatagacag 1260
tcacgactac gtgttccgat tgagcggagc tctcattaaa ggctacgaac aggatgtggg 1320
gactcggaca tcttctacg gctttaccgc cttctccctg acccagtcac tccttatatt 1380
gggcaatcgg ggtttcaaga acgtgcctct tgggaaggac gtccgctact tgcacttcct 1440
ggaaggcacc cgggactatg agtggctgga agcactgctt atgaatcaga cggatgatgc 1500
aaaaaacctt ttctggttca ggcacagacc ccaggaagct tttcggaag ccctgcacat 1560
ggacaggtac ctgttgctgc acccagactt tctccgatac atgaagaaca ggtttctgag 1620
gtctaagacc ctggatgggtg cccactggag gatataccgc cccaccactg gggccctcct 1680
gctgctcact gcccttcagc tctgtgacca ggtgagtgtc tatggcttca tcaactgaggg 1740
ccatgagcgc ttttctgatc actactatga tacatcatgg aagcggtga tcttttacat 1800
aaaccatgac ttcaagctgg agagagaagt ctggaagcgg ctacacgatg aagggataat 1860

```

## 1371

ccggctgtac cagcgtcctg gtcccggaac tgccaaagcc aagaactgac cggggccagg 1920  
gctgccatgg tctccttgcc tgctccaagg cacaggatac agtgggaatc ttgagactct 1980  
ttggccattt cccatggctc agactaagct ccaagccctt caggagttcc aagggaacac 2040  
ttgaaccatg gacaagaactc tctcaagatg gcaaatggct aattgaggtt ctgaagttct 2100  
tcagtacatt gctgtaggtc ctgaggccag ggatttttaa ttaaattggg tgatgggtgg 2160  
ccaataccac aattcctgct gaaaaacact cttccagtcc aaaagcttct tgatacagaa 2220  
aaaagagcct ggattttacag aaacatatag atctggtttg aattccagat cgagttttaca 2280  
gttgtgaaat cttgaaggta ttacttaact tctactacaga ttgtctagaa gacctttcta 2340  
ggagttatct gattctagaa ggggtctatac ttgtccttgt ctttaagcta tttgacaact 2400  
ctacgtgttg tagaaaactg ataataatac aaatgattgt tgtccatgga aaggcaaata 2460  
aattttctac agtgaagatg caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2520

<210> 2118

<211> 692

<212> DNA

<213> Homo sapiens

<220>

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<222> (3)

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<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (602)

<223> n equals a,t,g, or c

1372

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (627)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2118

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gttggtacgc ctgcaggtag cggtcaggaa ttcccgggtc gacccacgcg tccgattttc 120
ttcagacaaa actgctcttg tgcaatatatt tatgctcagt gagcaaattg tgtatttatg 180
tttatcaatt tgttctcaag gtggctgtct acagacattt gaccaagaca tacatctgat 240
ttacctgtgtg tttttttttt attgttggtt ttttttaaga cagagattca gtctgtcacc 300
caggctggag tgctgtggtg tgatcttagc tctctgcaac ctccgcctcc caggttcaag 360
caattttcct gcctcagcct cccgagtacc tgggactata tgtgcgcacc accacgcctg 420
gctaattttt tgtattttta gtagagatgg ggtttcacca tgttggtgg gctgggtctcg 480
aactcctaac ctcaagtgat ccacccgcct cagcctccca aagtgctggg attacagggtg 540
tgagccactg caccacgcct accttggttg tttgngtctg ggagggtttt ttttttctat 600
tnttattttt tcatgaaaat tattggnggg ccactgaaag tccccacaca caaaagcctt 660
tattctatat aatttataaa cacaaattca tg 692
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&lt;210&gt; 2119

&lt;211&gt; 474

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (349)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 1373

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 <223> n equals a,t,g, or c

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<220>  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (457)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (474)  
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 gtgacagagt gagactctgt ctcaaaaaaa taaaaataaa ataataaata ataataataa 180  
 taaaataaaa ataactgcaa caagccccta gattgacttg aagcctctgt ctgaactgct 240  
 ggcgggatcc ccantttccc ccatgtgect gttcatggca tgcagaggtc agncccttgc 300  
 ttcaagcctc ggaccagagt gggccatctc ggtagcata ngacacaang acagaagcat 360  
 tgnccctcaag ttttctgaga catgtttgcc cctggaagcg gtgatttttg ccatcattgc 420  
 tgnaagactt gtcatcgggg cagnatctta ncatcangca tttgctgtcg cggn 474

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 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

1374

<222> (19)  
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<220>  
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<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (201)



## 1375

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<400> 2120

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tataccacaa atgcagccng gnggagtaca agtccttgnt atacaacagg tgctggctcc 60
nnttcctgga gggatttcac cacagacagg tggcatcatc cagnctnagn aaatctaatt 120
tacaggaaat aaagactcaa gatataccta cgacagtggc agnacctaca ccagnccaaa 180
gcacagataa ctgcaactgg ncag                                     204
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<210> 2121

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<400> 2121

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aattcggcag agttgtgggc cgaagaatat gctcatgtgg tggtgaggaa agcagacatt 60
gacctcacca agaggggggg agaactcact gaggatgagg tggaacgtgt gatcaccatt 120
atgcagaatc cacgccatac aagatcccag actgggttctt gaacagacag aaggatgtaa 180
aggatggaaa atacagccag ccttcgtgtc cgaggccagc acaccaagac cactggccgc 240
cgtggccgca ccgtggggtt gtccaagagg aattaagttt ttaggccttg tctgttaata 300
aatagtttat atacctnaaa aaaaaaaaaa aaatttnggg gggggncccc gtacccattt 360
gcccttn                                     367
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<210> 2122

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

1376

<220>  
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 <222> (234)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (240)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (241)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (242)  
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 ggaccgcgtg cagcacctgg gtgcccctgt cacccttcgc gcctcttata tggagatcta 120  
 caatgagcag gtctcagccg tcgaagggaac tcagcccaca ccctgaacca ggccctccagc 180  
 cgaagccatg ccttgctcac cctttacatc agctccaaaa aaaaaaatna attntttatn 240  
 nnc 243

<210> 2123  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (268)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (293)  
 <223> n equals a,t,g, or c

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 agttctacag ttgtagaatc tcaagagggg ctttctggca ctcatgtccc agagtcttct 120

1377

gattgttgtg aaggttttat taatactttt tcaagcaatg atatggatgg gcaagactta 180  
gattacttta atattgatga acgcgcaaaa atggccact aattagtgat gctgaacttg 240  
atgcctttct gacagaacan tatcttcnga ccactaacat aaatcttttg aanaaaatgt 300  
taaatacttc taaatcg 317

&lt;210&gt; 2124

&lt;211&gt; 305

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (116)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (160)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1378

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<220>  
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<222> (232)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

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gaatcctnnt ggaaaaccnc tcactatagt naaagctggt acnctgcag gtaccggtcc 60  
ggaattcccg ggtcgaccca cgcgtccgca ccgggcactt ccaccaacgg caaagncctg 120  
gctgccactg caccactcc tggcatcccc atcctgcagn ctgnaccctc cgccccaccc 180  
cccaaagccc agncagtttc tcccgtgcag gccccgcccc cgggtggctc annccagctg 240  
ctgcctggga aggtcctant gcctctggcc gncctagca tgtcagtgcg gggnggaggg 300  
gccgg 305

<210> 2125  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (68)  
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<220>  
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<222> (70)  
<223> n equals a,t,g, or c

1379

<220>  
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<222> (164)  
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<220>  
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<222> (225)  
<223> n equals a,t,g, or c

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<222> (257)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (288)  
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tatcactngn gccatgggta ttcgcttcaa gtcttactgc tccaaccttg ttgcgacttt 120  
gatgggttgat ccttctcaag aagttcagga aaattataac tttntgctcc agcttcaaga 180  
ggagctgctg aaggaattaa gacatggtga gaagatatgt gacgngtata acgctgncat 240  
ggacgtgggtt aaaaagnaga agccagaact gntgaacana aattaccnaa aacctagggt 300  
tagggatggg aattgaatcc cgtgaaggct 330

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<212> DNA  
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<220>  
<221> misc feature

1380

<222> (131)  
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<220>  
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<220>  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (318)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (324)  
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 gggatgtgtc tccaagaaaa gtgtgggctg cttcctcac cctggatgcc tgtgggctgc 120  
 cttcctcacc ntggatgcct gtgggctgcc ttcctcacc tggatgcctg tgggcagcct 180  
 tcctcaccct ggatgcctgt gggctgcctt ctcaccctgg atgnctgtgg gctgccttcc 240  
 tcaacctgga tgctgtgggc agctttctca acctggatgc tgtgggctgc ttntcaacc 300  
 tggntgactg tgggcannct ttentaacct gga 333

<210> 2127  
 <211> 264  
 <212> DNA  
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1381

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<223> n equals a,t,g, or c

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<222> (262)  
<223> n equals a,t,g, or c

<220>  
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gcgggcagcg actcggggga cagcccggcc agcagctgca gcagtagcga ggactcagag 120  
cagcggggag tcggcgccgg gggtc<sup>c</sup>cgag gagggcgcg cccctgccac ctcggccgag 180  
aggactaatg ggggtgcgga ccncgcctgg gcttttctga cattcactnc aactctcgca 240  
acacgttcca ggntgagccg cngn 264

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<222> (413)  
<223> n equals a,t,g, or c

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1382

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<220>  
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<220>  
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<222> (613)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (624)  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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atgtaataat ttacagagtt tttcaatgtg ttttttcaga atggacatgt aaaatttagt 120  
tacattccag ggaattttca ggtgaaaatt agtagatagt taacatgaaa attttatatg 180  
aattcatatt ttttcttgga caatatgcta atatttattg atttcacaaa ttacagcat 240  
atgggtgatt ttggaagcat tcatagaccc ggaattgttg ttgactatca aaacaaatcc 300  
accaatgtna cagttgctgc tgcaagagga ataaanagaa aaatgatgca gccatttaat 360  
aagcccagtg gaacctttat caagaaccca aactagcaaa acctatggag aanataagcc 420  
tcagcaaatc accacaaaaa ctgatacctaa aaattgaana agaaaaaaaaa cggcaattga 480  
ggtccgcaaa aaaaacaaag gccccaaaaa aaaaaacgng anaattcgga aatggatccg 540



1383

aatggcttta atnttctttt gtaatttcaa ctttaaaaaa aaanttgtact gctcggaat 600  
tctcctccga acnttgatct ttcnaaacac ntattgaaaa tttttggatt tgcctatttt 660  
tggaana 667

<210> 2129  
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<222> (122)  
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<220>  
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<220>  
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1384

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (355)  
<223> n equals a,t,g, or c

<400> 2129  
tngaataagn aacataacat ttacgggtctt tatgattnaa nagtagtgtg ctagtntaca 60  
atcatagaaa gcattattac agttttaaca aaaaagcagt gaaagccttt ttgagatctt 120  
tnntatctga ttggaatagc aagtattttt tgttttgatt ncatttttat acatactttt 180  
atgataataa cttaagcat tatctcagat taccttacgg aaaagtgtgg aatcagcatt 240  
aagacagtta gaaagagaaa aggcgcttct tcagcacaaa aatgcagaat atcagaggaa 300  
agctgatcat gaagcagaca nnaaacgaan ttggaaaat gatggtttgn ggtgnagaat 360  
attaaatact catcaagaaa aaaa 384

<210> 2130  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

1385

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (398)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (414)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (415)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2130

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gcgtcagtct cagcttgctc aggatgagcg tgtgtcccgc tcttacctcg ccttgccac 60
cgaaaccgtg gacatgttcc acatcctccc ccaaagcaat gtgagtccca gagcccgctt 120
ttgctcgatg aaagtctgga gtctctgaag cgaatccatg aagtgcagga agagatgaag 180
aacaagaac agtgggacca gttgccccgg gatcagcagc aggctcgta gtctcagctt 240
gctcaggatg agccgtgtgt ccgctcttac ctngcctgcc accgaaaccg tggacatgtt 300
ccacatcttc ccaaagcaa tgtgagtccc anagcccgct tttggtcttt ccacaattn 360
cattactaag aaacacatca aataaactga ctttttncc ccaaaaaaa aaann 415
```

&lt;210&gt; 2131

&lt;211&gt; 499

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (143)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (352)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (365)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (373)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1386

<221> misc feature  
<222> (384)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (448)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (476)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (481)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1387

&lt;222&gt; (498)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2131

```
cggcaccgagc atggatgtca tcagcattga caagacggga gagaatttcc gtctgatcta 60
tgacaccaag ggtcgctttg ctgtacatcg tattacacct gaggaggcca agtacaagtt 120
gtgcaaagtg agaaagatct ttntgggcac aaaaggaatc cctcatctgg tgactcatga 180
tgcccgcacc atccgctacc ccgatccct catcaagggtg aatgatacca ttcagattga 240
tttagagact ggcaagatta ctgatttcat caagttcgac actggtaacc tgtgtatggt 300
gacttggagg tgctaacctt gggaggattt ggtgttggtt ccaccagggg gnggcaccct 360
gggtntttta cnggggttca gggnaaanat gccattggaa cagtttttnc ctgggntttt 420
caaatttttt tttttggaag ggaacaanct ggnttttttc ccggggaagg gtttcngctt 480
nccttttttt ggggggggnn                                     499
```

&lt;210&gt; 2132

&lt;211&gt; 297

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1388

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (292)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2132

```
nangnacgct gtgtaaataa natgctttgg gggctcccct ggccacagaa ggagaaaact 60
ggagccttct aatttcctgt tgtttacttt ccaaaggctg gagttgggta ggaaacctgn 120
gcataccggc acactggctt gtgggtgaac ttctctccct gctgtatttc ccggacaggt 180
gaggcggacc ctgttcacat caggactccc cagagatgcc aggaaggaga ctntggagag 240
ccacttcgga gacgcgtatc ccacgtgtaa ggtggttgat gtncagttgt gntacaa 297
```

&lt;210&gt; 2133

&lt;211&gt; 575

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (511)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (527)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1389

<221> misc feature  
 <222> (539)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (544)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (573)  
 <223> n equals a,t,g, or c

<400> 2133  
 ggccgtgaga ttencaggag tttccacttg gtgatcagca ctgaacacag accaccaacc 60  
 atggagtttg ggcctagctg ggttttcctt gttgctattt taaaagggtg ccactgtgag 120  
 gtgcagctgg tggagtctgg gggaggcttg gtacagccag ggcggtccct gagactctcc 180  
 tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccaggctcca 240  
 gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcattggtg gacaacagaa 300  
 tacgccgcgt ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360  
 nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420  
 gactacaggc acaccctgg ctactggggg cagggaaccc tggtcaccgn cttctctggc 480  
 ttccaccaag ggccatcgtc ttcccctgg ngcccttgtt ccaggancac ttccgaaanc 540  
 cagnggcctg ggcttgcttg gcaagggctc ttncc 575

<210> 2134  
 <211> 557  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (52)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (521)  
 <223> n equals a,t,g, or c

<400> 2134  
 gcgctcaacc ctactaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60  
 gaactagtgg atccccggg ctgcaggaat tcggcacgag ggagttttca gatcaaaaac 120  
 tggttaccat tttttgtcag agtgtctgat gcggccactc attcggtccc ccagaattcc 180  
 tagactgggt taatagggtc atattgtgaa tgtctcacta caaaatgact tgagtccagt 240  
 gaaatctcat tagggtttaa gaatatttca gggatcctta atgttttgat ttttgttttc 300  
 tgaaattgga ttttatttta ttttatctta taatttcagt tcatctaaat tgtgtgttct 360  
 gtacatgtga tgtttgactg taccattgac tgttatggaa gttcagcgtt gtatgtctct 420  
 ctctacactg tgggtgcactt aacttgtgga atttttatac taaaaatgta ggataaagac 480  
 tattttgaag gtttgaataa agtgatgaag ttgcattaca nctcactgca aggattcttt 540

1390

acttagcttg ttttttag

557

&lt;210&gt; 2135

&lt;211&gt; 552

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c



## 1391

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2135

```

ncaannnnga cacnaaccct cactaaaggg aacaaaagct ggagctccac ctgcggtgcg 60
nccgctctag aactagtgga tccccgggc tgcaggaatt cggcacgagg aggagcccca 120
gtcatgctca gcacgctaca gatgtgttgt ttgtcacact gagattgctg aatgtcgtgg 180
ctgttggtcg ccgagcctca gctgctggca tttccttctg ctgtttgctg cttttgtgcc 240
tccccactt tccatcaact ctggagtccc gtctggacgt cccttcctgc tacaggaata 300
atgaggcgtg ggctgcctcc cgctaggcct cctgctccct ntaggtagtt tctngctgag 360
gcttgctaatt tggggatgct tcttagagca tcttcacat caactccct ggctgctggc 420
taccgattaa attcattagt gtgaaagagg tgggagtgag gttttctggn ctgaagcagt 480
ctgcactgaa aggtacccaa gtggcctgaa acagtgtagg gaaagacctg ggaaacactg 540
gaccaaaaaa gc 552

```

&lt;210&gt; 2136

&lt;211&gt; 618

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (83)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2136

```

aaccctcact aaagggaaca aaagctggag ctccaccgcg gtgncggccg ctctagaact 60
agtggatccc ccgggctgca ggnattcggc acgagcggcg gcggncggcc cgctccagcc 120
atgccgaata aaaacaagaa ggagaaagaa tcacaaaag cagggaagag tggaaaaagt 180
tcaaaagaag gacaagacac agtagaatca gagtgtact gtctaagagc tggagctaca 240
gagcttgaaa ttaccactga aaacactgaa atgttgggcc cttcactgct tcctcataag 300
gataccagag gcaacctggc atattaagct tgacacttgg cagatcactg tgtaaatgt 360
ttttcaggaa tacaagttgg gacacttctg ttcatttgac ctttgagttg acccttaaat 420
tttattattg ttttttttcc cctcagtctt cagctcactg cttcacttct agttccaccc 480
acttaccaaa tatgattgac tcatgcaggt gaattaaacc attattgcac actttttccc 540
tctcctctct ctcagtatta ctcttaactt gaatatatta acctgaacaa tttaaatagg 600
cttgacattc ccatgctg 618

```

1392

<210> 2137  
<211> 522  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<400> 2137  
anantaaccc tcactaaagg gaacaaaagc tggagctcca ccgcgggtgcn gnccgctcta 60  
gaactagtgg atcccccggg ctgcaggaat tcggcacgag gaggaatcgt gtgtctgctg 120  
ttgatgaact tgcaatggct acagaacgac taagagtgcg tgatcctagg gagccaaagc 180  
ctaattccgcc tgttcttcat atcattgaac cacatgaggt agaacaaaac cgaataaaaac 240  
tactaaatga taaagctggt gctacatcac agcttcagaa aaaacttggg cagcttcttt 300  
acctaactaa tttggagaag tctcaagata aaacatcggg aggtgttaat ccagaacctt 360  
gcccaatctg tgctcgacag ctaggaaaaac agtgggagggt actgacctgt ggtcactggt 420  
tctgtaatga atgcatttct ataattattg aacaatacag cgtgggatct cacagaagct 480  
ccattaagtg tgcaatctgc cgccagacca catctcacia ag 522

<210> 2138  
<211> 508  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

## 1393

&lt;400&gt; 2138

```

tganacnaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg acggccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agctacaact ggagaatcca 120
tccatcaggt gactgagttc ctccaaaggg gacactacta atgtgtctca gacactaact 180
aaggtgagaa ggaatgcact gttgaggggg cagcacatcc ttaagaagct caatggtggc 240
tgtcccctgc aggctggaat aatgctaggg atgttttata gaactggatc cccagtagt 300
gagtaaaatg atagagttcc agaataacag gggccaagtg gcagcattta actgtgagga 360
caagataaag taatttccgt aaggggcac c acgtagtag tgacaactgg gaggcctgac 420
ctgtaggtgt ccatgaagat ggctcttagg acatgctgtt cctctaggca agacacatat 480
tgcttttagc atataatcaa aagaggat                                     508

```

&lt;210&gt; 2139

&lt;211&gt; 546

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2139

```

ccctcactaa nggaacaaag nctngngctc caccgcggtg ncggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agcggtttta ttttcaataa tgaacagctg 120
gctcagatga atgaacagct ggctcaggtg aatgaactaa agaaaatgac ccttcaaact 180
ggctttgaac aaggtgacag agaaaatgta ctgtgtaata aaaaggagaa aagaataaca 240
aatgagcaag aggaaacata ctctttatcc caaagttcag gtaaatttca ccaggagagt 300
aaatttgata agggtcagaa ttccctaact tgtaataaaa gtaaagcttc tagacagaca 360
tttgtgattc acaaattaga aaaagataac ttactcccaa accaaaagga taaagtaacc 420
atztatgaaa acctagacgt cacaaatgaa ttacacacag ccaatctttc caccaaagat 480
atggaaatth atgtgattat gggaccacaca atatattgga tttgaaaagt atgtcactga 540

```

1394

tattca

546

&lt;210&gt; 2140

&lt;211&gt; 537

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2140

```

gnacaccctc actaaaggga acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtggat cccccgggct gcaggaattc ggcacgaggg agattgatga tgactttttc 120
ccaagtcttg gggaagaagc tgaagctgct tctgtaggag aaggaggagg aggaggtcgg 180
aaagtgggaa gataccgaga tgatggagat gaagattatt ataagcagcg gttaaggctc 240
gtctgtgggg attataaata cattgtactg tttgctttat cttaggtgac aggtttatta 300
atatgtaagc attctagatc cagcttaata tattagacc ccccgattat acagagggttg 360
gattttctgca gccttaacct gctagaagca gtggggcccc tgagtcctta atgatgctgg 420
ccccaaatgc atgtacttct aggtcttttag ttggatttgg aggcaagtct aagatgaaaa 480
acttaaggga aggctggggc aagaggcata cagagggtct agtgtgagct gtgtcgc 537

```

&lt;210&gt; 2141

&lt;211&gt; 480

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2141

```

tcaaccctca ttaaaggac caaaagctgg ngctccaccg cgggtggcggc cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgagatg atattgagac ctctgtcatt 120
taatattggg acaaaattgt atttctaact cacaacaaac agaaaaacta cattagatgt 180
actatcactt tagatttgaa aacaattctt taaaactttt acaagaaaat caaaataaga 240
ctctactgcc ttttaatttga ggaagcacat gtcattaagg aaaagactga tgagttcaca 300
tttgctgata aaaataatat aatctgtcca tcctaagtta ggtgtccaac aaatagttac 360
atgtctatcc tctcaccttt catgtcctcc aacacttctc tttaaagagt ggcatagata 420
acatcatgaa agaatgagga aactccagtg caccaaaaaa ttatagagtt tataaatatc 480

```

&lt;210&gt; 2142

&lt;211&gt; 500

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

1395

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2142

```

ggnganntca acctcactaa agggaacaaa agctggagct ccaccgcggt ngcggccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gaggtctgat ttcttcacac 120
ttgtaaacia ttgtattata tatgcatact gtatatTTTtg tagttataag aagaaaaata 180
ccagaattta aaatgcagtc acaatgtgtt atgttttcag atgacttacg tatgtttttg 240
ttcatcagta ttttaaaaaa taatcacctg tttgtgaaaa taatgggtttt gaaaacagca 300
ttatgatgag aggggaacttc gtaatttcat gagaatgtag atgggtgactg ttttaagtggg 360
agctcacata ggcattaaca tcaccctcct tttgcacagt ccttttaagt ctctgttaa 420
acatctttta ttgtgtgtat ttaaaggcac acagatgctt tttcctgtat tcatcttaca 480
aatttaccta catattcagc                                     500

```

&lt;210&gt; 2143

&lt;211&gt; 433

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2143

```

gangtcnanc ctactaaag ggaacaaaag ctggagctcc accgcggtgg cggccgctct 60
agaactagtg gatcccccg gctgcaggaa ttcggcacga gcttttggct tctagttgat 120

```

## 1396

```
tacttttttt ttccctgcaa atttgggttt tgattacttg agcatagtga tcaaaaaaga 180
tcactgggca tccatatacc gtttcattaa tgattaatgg actacaatat tgacttgtct 240
catgttatca aagttataat ctgctttata tagcaagttc actttgcttt aaacagcttt 300
taatttatat tattgttctt gaaaagggtga gtaaataatgc aaattgaata attttaaaat 360
ccaagggcag gttttgtaag aaacttagag ggcagagagg aatttttgta aaggggaaaa 420
attattttat ttt 433
```

&lt;210&gt; 2144

&lt;211&gt; 129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (115)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (118)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (124)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (129)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2144

```
gaaaaatcac aagccttctg tacttttagg ctttgatatg tctgaactta aaaatgtgaa 60
acatagattg aactttgaat atgaaccata aaacttgcaa aaaaaaaaaa aangnacntt 120
taangtagn 129
```

&lt;210&gt; 2145

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

1397

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

1398

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (404)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2145

```
cgggcccgag atgtctcgct cntttncnt agctntgctc gcgctactct ctctttctgg 60
cctgtaggct atccagcgta ctccaaagat tcagggtttac tcacgtcatc cagcagagaa 120
tggaagtc aatttcctga attgctatgt gtctgggttt catccatccg acattgaagt 180
tgacttactg aagaatggag agagaattga aaaagtgagg cattcagact tgtctttcag 240
caaggactgg ctttctatct cttgnactac actgaattca cccccactga aaaagatgag 300
tatgcctgcc gngngaacca tgtgactttg tcacagccca agatagntaa gtgggancga 360
gacatgnaag cagcatcatg gaggtttgaa natgcccgca attnggaatg gatgaattcc 420
aaa 423
```

&lt;210&gt; 2146

&lt;211&gt; 519

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (309)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (371)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (458)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (477)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (510)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (514)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



1399

&lt;221&gt; misc feature

&lt;222&gt; (517)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2146

```
gccacagtct aaggtgctgt acattacctc aaatccgatg agtctctgtc aagcaagcag 60
acatcagcca aatgtgaatg atctcttggg tcatggaatg cctctacagc caagaaatct 120
ctccctaata gacaagctcc tagatcttga tgacaagcta cttatgaggc ctgggtccag 180
taccatcctt tcaactcgaa attggccaaa tcgagctgtg gagtttagta catcatctct 240
gtcatacaca gtgcagtcca ccaggagacg caatccacca ccacgaactc ttcatccgat 300
cagcacganc cattcatgtg ctgaaacacc aggatctgtg gaagaaattc tcagaggagc 360
ccgagtccca ntggcaccgg actcgctctc cttctccctc accgacgccc ctgagttgaa 420
attaatctgc taccacctat tgggcacagc tgaagtgnaa acatgtgatc actgtgnngg 480
tcacagagac aagatgaatc cccaatggan actntantc 519
```

&lt;210&gt; 2147

&lt;211&gt; 499

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (218)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (317)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (328)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (337)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1400

<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (382)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (443)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1401

&lt;222&gt; (484)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2147

```
aattcggcac gagcattgag gtgcggaatt acagcagatt gaaacctggg taccgatggg 60
aacggcagct ggtgttcagg agtaagctga ctatgcacac agcctttaat cgaaaggaca 120
atgcacaccc agctgagggtc actgccttgg gcatctccaa ggatcacagt aggatcctcg 180
ttggtgacag tcgaggccga gttttcagct ggtctgtnag tgaccagcca ggccgttctg 240
ctgctgatca ctgggtgaag gatgaagggtg gtgacagctg ctcaggctgc tcggtgaggt 300
tttactcac agnaagncca caccattnca ggaactntgg gtcagctctt ctgccagaag 360
tncatcgctt tnaatctgaa tnaaacgttt gaaatttcat cccggtgngt gtttgtcaga 420
cttggtattn tanttccagc ttngggnggt nagagggttg cncgaatttt gagntcacca 480
gttngtgggc ctggttgcc 499
```

&lt;210&gt; 2148

&lt;211&gt; 471

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2148

```
gatgaattga gtgaagctct cctacttata aaggctcaaa aagaacaaaa aaatggagac 60
ctttcctttt tagtgaaagt agatagtga attaataaag atctagaacg ctctatgaga 120
gagctgcaag caactcatgc agaaacgggtg caagagctgg aaaagacaag aaacatgcta 180
attatgcaac acaaaattaa taaagattat cagatggagg ttgaggcagt gaccgtaag 240
atggaaaatt tgcagcaaga ttatgaactc aaagtggaa agtatgttca tcttcttgat 300
atcagggtcg cacgtatcca taaactagaa gaagctgtaa gtttggggag catataagtg 360
ttcttcagct gttggagttt tgcatattct ccatanccaa aattttcaca gaaaagcaag 420
gcagatattc acgttggtga tatttggttg gcctctgtat ataacggtga a 471
```

&lt;210&gt; 2149

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1402

<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)

1403

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (223)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (238)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (245)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (318)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (326)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (342)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2149

```

ggaacggggg ggaantgtga acctcttaaa gttggtcccc tgccngtacc ggtccggaat 60
tcccggtcg acncacgcgt ccgtncaga tgggtgccacc ggtgcaggtc tctcngtca 120
tcaagctcgg ccgatactnc gncctgttnc tcnatagtgg cctacgganc cacgcgtac 180
aattacctaa aacctngggc agaagangag aggaggatag cancagaaga gaaagaanaa 240
agcangatga actgaaacgg attgccagaa aaatggcaag aaagatgcag cattattaaa 300
agtgaagttg aannatgngg aaccanttct tttggaacca ancat 345

```

&lt;210&gt; 2150

1405

<220>  
 <221> misc feature  
 <222> (203)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (221)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (223)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (251)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (258)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (268)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (298)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (330)  
 <223> n equals a,t,g, or c

<400> 2151  
 gcagggggct gctttgcac tgaactgtc agccccagaa tgttgacagt cgctctccta 60  
 gcccttctct gtgcctcagc ctctggcaat gccattcagg ccaggctctc ctcttatagt 120  
 ggagagtatg gangtggtgg tggaaacgat tctctcattc tggcaaccag ttggacggcc 180  
 catcacgcc ctccgggtcc gantcaacac atactacatc ntnggtcttc aggttgcccta 240  
 tgggcaagg tntgaacnaa ctattttngt ttgttcccca accggaaaac ctggaagnaa 300  
 aatcttttct tgccccctt ggggaaatcn 330

<210> 2152  
 <211> 544

1406

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (493)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (533)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (544)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2152

```
tttttttagc atcatgttta cgcccttgga cagatacant gatagaaata tgcaaattaa 60
tagacatcaa tactgtgcbt taaaggctat gtctgctgta ctgtgttggt gccctgttgc 120
agataatgta ggactttcat cagatggcta tttgtacaaa tggttggata acattttgga 180
ttctctggac aaaaagggtc accagctggg ctgtgaagca gttacgttgt tactggagct 240
gaaccctgat cagagcaacc tgatgtactg ggctgtggac cgctgctaca cgggctccgg 300
gagggtggcg gccggctgct ttaaagccat tgctaattgt ttccagaaca gggattatca 360
atgtgacaca gtgatgcttc taaatctgat actgnttaaa gcagctgatt cttctagaag 420
tatctatgaa gttgctatgc aacttttaca gattctggaa ccgaagatgt ttcgctatgc 480
tcacaaattg gangttcaga gaacagaatg gaggactcac ccagtggntc cnttacacaa 540
tntn
```

544

&lt;210&gt; 2153

1407

&lt;211&gt; 236

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2153

gcggacgcgt gnttggacgc gtgggtggag cagtcttcca aatttatatt atcaaggacc 60  
tggaagaagct actcatgata gcaggagaag agcgggcact gtgtcttgtg gacgtgaaga 120  
aagtgaaca gtccctggcc cagtccacc tgctgccc gcccgacatc tcaccaaca 180  
tttttgaagc tgtaagggc tgccacttgt ttggggcagg ccaagaattg agaacc 236

&lt;210&gt; 2154

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (97)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (108)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



1408

<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1409

<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)

1411

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

1412

<400> 2156  
cccntagnaa actcccnntg gaaggaccgt tgggacgcct gtangtaccg gtccggaatt 60  
cccgggtoga cccacgcgtc cgcccacgcg tccgcccacg cgtccgggag ttccggaaag 120  
ccaaggccag ctccacaggc agcttcacag cacctgatec cggcctgaag cgcaagtccc 180  
ctcctgaggc cctgtcaggg tccttaccac cagccaccac ctgccccgcc tcgtccacgc 240  
ctgcgcccac tatcatccct gctccagctg cccccgggaa gccagcctcc gcagccaccg 300  
tgaagaggaa gcggaagagc cggtgggggc ctgaagagga taaggtagag ctcccacctg 360  
ctgaactggg gcagagggac gtggatgcct ctccctcgcc tntgcagntc aggacctcaa 420  
ggggctcggn tatgagaagg ggaagcctgt gggnctaang ggcg 464

<210> 2157

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<400> 2157

## 1413

tggactnctc ccggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt 60  
gtttcgcctt ttatgcctat cactaccgct tcaatgggca gtatagcagc ctggccctgg 120  
tcacctactg gctcttcac caggtgaggc ctgggctggca agcagggggc aggccagccg 180  
tgcctttcca ggcaggagag gctgcagccg gngaggatgc cctgtggggt cggccaagc 240  
gggcagaggt agcgtggatg gtcccggntg ggctgncctc tgnnagcagc ggctgggtgg 300  
tcaagggcgg ncccg 316

<210> 2158

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

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<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

1414

&lt;400&gt; 2158

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gcaggncctcg atggcgcaact gggtaaagct ctcaaggagc agaagtacga ccggcagctg 120  
aggttgtggg gtgatcatgg gcaagaggct ttagaatctg ctcattgttg cctaataaat 180  
gcaacagcca caggaactga aattcttaaa aacttggtac taccaggtat tggttcgttt 240  
acaattnatt gatggnaatc aggtcagcgg agaagatggc tggaaaacaa tttnccttcct 300  
tcaaagaagc anttntcggg caaaaaccga gctggaaagc ngaccatggg aatttcttan 360  
ca 362

&lt;210&gt; 2159

&lt;211&gt; 79

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2159

gacctcgctc gccaaaggatg tgccagccgg cagcttgccg actgccctca atgagctcaa 60  
gagactgata canagcatt 79

&lt;210&gt; 2160

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (331)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (363)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (417)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (419)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1415

&lt;222&gt; (429)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (439)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2160

```
gggtatgcag taacatttca gaatgttttg tgtgcgtgtg aaggggtgcac aggtgcgtgg 60
ggatggggag ccaggctcag aggtggacgc tggctgcctg ggccacctcc tttcccagagc 120
cccattctgt cgagcagaga gcagagggag agggagtgtc ccggtgcca ggctcccaga 180
gtgctgtcct ctgcccgggt cgtcaagtcc aggtagtggg tcccagtggg gcttcggtgc 240
tggagcgctc tctgcctcgt ttccggctcc atgttacgct cttagaaacg gagttgattg 300
tggttgaggg ggaaggaagg gttccccgca nacgtcctct ctcttctaca aagtgtgggc 360
aanagccagg gccagtgagg gctgctgtgc atgagtggcc tgagacaaag cgctgtncnc 420
cgttgagana tgggctccna agaaac 446
```

&lt;210&gt; 2161

&lt;211&gt; 450

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (386)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (415)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

1416

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2161

```

gggcctgtcc acgtccccct ctgtccttaa ctccaggaga ccttgggtca cgtggacagc 60
aatggagttg ggggaagggc cctgaaggca gccccaggcc tgactgtggg cctccagcta 120
caggcatttg tgtttgggca ccagctaccc cacatcccag ccggtcatct ctgggcataa 180
acccccaccc cccagaaagg aggttctctg tccctcttgg gcaccagctc agccaaaagc 240
cagaaagctg ctctggagca taacctgacc cccccacggc gaggcagggc agtcttctct 300
ggctggcact gctctgggca tagaattgat ccttcatcaa nctttacccc aaaaaagaag 360
ngtcttctct ggtgaaggac aaagtngggg aaggcaacan ggctgggggt taaangccct 420
tcaccagcca ttcaagggtt gccttttnaa 450

```

&lt;210&gt; 2162

&lt;211&gt; 405

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (385)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (394)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2162

```

agcttctctt gggaaacgcc ccantatagg gatagctggg acgcctgcag gtaccgggtcc 60
ggaattcccc ggtcgaccca cgcgtccggg acccaacttc tctcaccgcc atggagttcg 120
acctggggagc agccctggag cccacctccc agaagcccgg tgtggggggcg ggccacgggg 180

```



## 1417

gagatcccaa gctcagtccc cacaaagttc agggccggtc ggaggcaggg gcaggtccgg 240  
gtccaaagca aggacaccac agctcttccg actccaagca gcagctccag cgatttcggac 300  
acggatgtga aggtaagggg ctctcgcagc gtcccaagca cgtgccctgc accccanaga 360  
ggcgtccccc actggggctg gcgngaggg tgcnnngagt ggtcc 405

<210> 2163

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

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<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<400> 2163

gggggcttgg cctcaagcat ctctggaagc ctgctgtgga ggcctatgga gagtttctct 60  
gcatgtttga ggaaaattat cccgaaacac tgaagcgtct ttttgttgtt aaagcccca 120  
aactgtttcc tgtggcctat aacctcatca aaccttcctt gagtgaggac actcgtaaga 180  
agatcatggt cctgggaggt ggcagtttat gtcagatgga gcggatgttg gttttgggat 240  
tttcctgaag accnagatgg gagaanaggc ancngncagn 280

<210> 2164

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

1418

<220>  
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<222> (53)  
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<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

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cctggntcga cgncgccaaa ttacactgct cgcacaatgt agatttagaa gaggctggaa 120  
aagagggtgg aaaaagcagg gaggttatga ggcttaataa agaagatatg cacttatttg 180  
gccattaccc agcacatgac gacttctatc tcgtagtggt cagtgcctgt aaccaggctg 240  
tcaagccaca ggttttccag tcgcactgct cggggcctgc aactgttcca ctttctggat 300  
cctccttcag cttctctgac tcctgggcca ggtgtgtgca tttagctcca tgctgaagag 360  
ctgcagcttc tgcaggacat ttgtaccatc gaggtcaaag gcaacaagaa gtgacatgag 420  
tttcagtcca tcttcatgag gttccagtta aggcctgtga attcgcaatt gttcttccc 480  
actgcctg 488

<210> 2165  
<211> 502  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

1419

<220>  
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<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (89)  
<223> n equals a,t,g, or c

<220>  
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<222> (98)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (146)  
<223> n equals a,t,g, or c

<220>  
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<222> (149)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

## 1421

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<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<220>  
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<222> (315)  
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<220>  
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<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (339)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

<220>  
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## 1422

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<220>  
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 <222> (446)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (454)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (477)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (484)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (497)  
 <223> n equals a,t,g, or c

<400> 2165  
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 nataacctgt cnaanttatc tgatgacana ttaccaangt gctcccccat cccacagta 120  
 tagaangatt atttgcattg gtgcanaana naatggnttg ccgctggant atcaanagan 180  
 gttaanagcn ttanaaccaa atgactatac ntgaaagggtc tcanaagaaa ntgangacat 240  
 catcannaag ggggaaacac anactcttta gancataaca gaatatatct aagggtattc 300  
 tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360  
 tngatccatt ttcannagtg ctctgagagg agtatcttac ttgggggtgac tccttggttt 420  
 tagactatac tcagaaactg ggatangggag ttanaccatt taaaacgggt gtatganggc 480  
 ctgnaatatg tgacaantga at 502

<210> 2166  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (36)  
 <223> n equals a,t,g, or c

<220>  
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1423

<222> (83)  
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<220>  
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<222> (85)  
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<220>  
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<222> (91)  
<223> n equals a,t,g, or c

<220>  
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<222> (168)  
<223> n equals a,t,g, or c

<220>  
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<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
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<222> (218)  
<223> n equals a,t,g, or c

<220>  
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<222> (219)  
<223> n equals a,t,g, or c

<220>  
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<222> (221)  
<223> n equals a,t,g, or c

<220>  
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<222> (230)  
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<220>  
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## 1424

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<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

1425

&lt;400&gt; 2166

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gcgggtgccg agcactgcct ccgggcttcc cccaangacc acgcttagcg gtggcttctt 60
cgttgctgta attgaacggg tcnanatgcc nacgtgagtg agtgggggca tgcttgggaa 120
gcgcaggatg gtactggcac atctaacatc tacacttctc tagctcanc cccacaggcca 180
aagcatcagc accanaacgc acacccancc catcccnna nagaaagaan gaaacagcca 240
agaccccacc cgggtgcttg acacgcctt tgcacatanc aaaagctcca ngnttactcc 300
ttcctggttg ggaaaanaa atgcctntcc tctccctgga aagacctggg cctccccgc 360
aggcaacaat ttgcattttg aaaagttatt gggttccttc ctcnggctg tnttcttgc 420
tgtaaccaa aatttttct nccnaaatta aatnc 455
```

&lt;210&gt; 2167

&lt;211&gt; 436

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (432)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (434)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (435)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (436)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2167

```
gaaagagttg gaattgtaca aagaggaact tcagacaaaa cctgcactct tggcagttaa 60
taaaatggac ttgccagatg cccaagataa gttccatgaa ttgatgagcc agctccagaa 120
tcctaaagat tttctgcatt tatttgaaaa aaacatgatt ccagagagga ctgtagagtt 180
ccaacatat atccccatat ctgcagttac tggagaagga atcgaagaat taaagaattg 240
tataagaaag tcactggatg aacaggccaa ccaggaaaat gatgcacttc ataagaaaca 300
gttgcttaat ttgtggattt ctgatacaat gtcttctact gagccaccat caaagcatgc 360
tgttactact tccaaaatgg atataattta aatatattaa aaatggtatt gatggaacag 420
taaaaaaaaa annnnn 436
```



1426

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<211> 542  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
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<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (217)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>

1427

<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
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<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
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<222> (375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
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<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
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<220>  
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1428

<222> (444)  
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<220>  
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<222> (482)  
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<220>  
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<222> (483)  
<223> n equals a,t,g, or c

<220>  
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<222> (525)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<400> 2168  
aggaaacagc tatgaccatg attacgccaa gctctaatac gactcactat attnganngc 60  
tggtacgcct gcagggtaccg ggccggaatt nccggatcga cccacgcgct cgctggagag 120  
agacctttcg aatgtattga atgtggaaag gccttttagta atggttcatt ncttgctcag 180  
catcagagaa ttcatacagg agagaaacct tangtgngna atgtgngngn gaaagccttt 240  
agccatcgtg gatacctaata tgtacatcag agaattcata ctggngagag accctacgaa 300  
tgtaaggaat gtangaaagc cttcagncag tatgcacacc ttgctcaaca tcagagagtt 360  
catactggag aanancctta tgaatgtaaa gtattgtngg aaagccttca gncaaattgc 420  
ataccttgat caacatcaga gggntcatac tggagagaaa ccctatgaag gtattggaat 480  
gnnggaaggc ctttagcaat agttcatcac ttgcacaaca tcagnngaag catactggag 540  
aa 542

<210> 2169  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (46)  
<223> n equals a,t,g, or c

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1429

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1431

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agncttntnc tttatgcagt ccctgaacta ccaggaagat aaacaccacc atgatggaga 120  
tttgaccag tacaaacagg gtattgaagt tagcgaccag gttgacgctc ttcagattcg 180  
cggcggttaa aatggcgacg aggttaccac ccacanccan gggggggcact ttccgggggaa 240  
gagggcgggg agatagattt tnggccaaca agacgttaat natngggcaa aaanggggnt 300  
aattccagcn agggntgnnc caggcngntc cataaantnc cgngngggg gntnaaatnn 360  
gntttntnnn gnggnnggnt attagggnc cnanccgttt annggggaat ttgggggggaa 420  
gccatttng 429

1433

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tgccggcccc cgctctgccc tggattggta gcttatgtcg atcttgatga aagagcaatt 120  
gatgctctca gggaatttaa tgaagaagga gctctgtctg tactacagca gttcaaggaa 180  
agtgaacttat cacatgttca gaacaaaagt gcatttttat gtggagttat gaagacctac 240  
aggcagagag agaaacaggg gagcaagggt caagagtcca caaagggacc tgatgaagcg 300



## 1434

aagatcaagg ccttgcttga gagaactggt tatactctgg atgtaaccac aggacagagg 360  
aagtatggtg gtccttcacc agacagtgtg tactctggcg tgcaacctgg aattggaacg 420  
gangtatttg taggcaaaat accaagggat ttatatgagg atgaattggt gccccttttt 480  
gagaangccn gacccatttg ggatctacgt cttatgatgg atccactgtc cggcagaata 540  
ganggtatgc atttatcacc ttctgnggna aaggaanctg ncaggaagcc c 591

<210> 2171

<211> 536

<212> DNA

<213> Homo sapiens

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gacccccctt cgggggggga tgcgtgcatt tatcagatca aaaccaaccc ggtcagcccc 120  
tctccggccc cgngggggg gcgggcgcgc gcggcttttg tgactctaga taacctcggg 180  
ccgatcgcac gcccccgctg gcggcgacga cccattcgaa cgtctgccct atcaactttc 240  
gatggtagtc gccgtgccta ccatggtgac cacgggtgac ggggaatcag ggttcgattc 300  
cggagagggga gcctgagaaa cggctaccac atccaaggaa ggcagcaggc gcgcaaatta 360  
cccactcccg acccggggag gtagtgacga aaaataacaa tacaggactc ttctgaggcc 420  
ctgtaattgg aatgagtcca ctttaaattc tttaacgagg atccattgga gggcaagtct 480  
ggtgccagca gccgcggtaa ttccagctcc aatagcgtat attaaagtgt ctgttg 536

<210> 2172

<211> 252

<212> DNA

<213> Homo sapiens

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<222> (28)

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<222> (30)

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1435

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ggaggntnaa tggcncggac atggaagccc acgctggtca tcctgnggat caaacgggct 120  
ggccgatgcn tgcgctgggn ccccaacgag aacaaggttg ctgtgggcaa cggatctngg 180  
gaganctcca tctggtatatt ccagcaagga gaatgactag gngggtttag caaagcacat 240

1436

naagaagncc at

252

&lt;210&gt; 2173

&lt;211&gt; 480

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (334)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (472)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (477)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2173

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gatttttnacc aaatgttaca agaaattcaa gaagtgaaaa ctcttgaaga actagagacc 60
tttatgctta aacatggaga aaatattatt gatacttttag gagctgaagt agatagactt 120
gagaaggaac tgaaagtaag atgtattcat aaaaataaca taatgataat ggcagctatt 180
tttttgagta cttactctac agcagacact aagtgcaccc atcacatgca tgctttaacc 240
cactcataac tccacagtgt gtaggtatatt ataagcaaga aaatgactgg gttagataag 300
ttgaataatt taccgaagga aatagggaaa ttngatattg aaccagattc ttactttttt 360
aaacactatt tatgcagcct gcttagtttc taaaatagtc aaaggggggtt tttttggttg 420
gtaataaata acatttttgaa agtcctanaa naaagatgaa aaggaacttt anactnnggg 480
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1437

&lt;210&gt; 2174

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (80)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (143)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (219)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (230)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (269)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (272)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

1438

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 <222> (550)  
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 cccaggggga gtgagataa cacaccatct ctacagggct tacagcttcn ccatgggctg 120  
 ctggcccaag aatggacttc tanacatgaa caagggcctc agcctgcaac acataggccg 180  
 gccccacacc ggcattgacg actgcaagaa acattgccna catcatgaan aactcgcct 240  
 atcgaggctt catcttcaag cagacatcna anccgttctg attggcccaa gacaagatgg 300  
 ggcacgacaa ggtactgtt tggcccaccc aaaatcctcc tctccctcac canaaggga 360  
 aaagggaaat ggcatactct gtgtccagaa tgtccanct gcctgtnggc tctgcccttg 420  
 gcgttggctt ttcccttgca agggctntgc cttgggcct tctggaacaa aacttttttc 480  
 ccccatccc accctcatct caccagtat caccctccc ttgcgggctg ggctagggga 540  
 accaggatcn cccctctccc tgttcacagg c 571

<210> 2175  
 <211> 446  
 <212> DNA  
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 ggtgtgcgtg tggccagggg tocatccgct tccctctagc ccagccctg aacacagctg 120  
 cagtgcacgg cccactcct cagctctgct ccccatccca actcgaagac gctgccctgg 180

1439

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ccctgtgtgt gcagctcatg tggactggga gggcagggca ggtgcaggtc ttggggcaag 240
agctngagct gtcttttctt tcctgcacag ccgcagagca ggtggatggg gctgcttccc 300
tgcaaggccc cagggccagg cccctggggg atttattcgt ggcttagaag ggtggggcca 360
gaagcaggcg tagtggggat tagggactca gcacccccag ctctcagtc agcagacaga 420
ccccccccag gctgactaca gaggct 446
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&lt;210&gt; 2176

&lt;211&gt; 452

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (255)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (288)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (308)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (324)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (329)

&lt;223&gt; n equals a,t,g, or c

1440

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gatggaaaagt tgccttttgt tccctccggag gaagaattta ttatgggagt ttccaagtat 120  
ggcataaaaag tatcaacatc agatcaatat gatgttttgc acaggcatgc tctctactta 180  
ataatccgga tgggtgtgta cgatgacggt ctgggggcgg gaaaaagctt actggctctg 240  
aagaccacag atgcnagcan tgaggaatac agactgtggg tttatcangt gcaacannct 300  
ggaacaanca caagccatct gcanggcctnt atacaccgct tttgactctg tattaacatc 360  
tgagaaaccc ttgnatcctt nnaattaagt agaagnctaa cttnatctga aaagttcatc 420  
tgttttcaaa ctgcaatgct gaaatgttat tg 452

<210> 2177  
<211> 368  
<212> DNA  
<213> Homo sapiens

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<222> (231)  
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<220>  
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<220>

1441

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<220>  
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<222> (326)  
<223> n equals a,t,g, or c

<220>  
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<222> (327)  
<223> n equals a,t,g, or c

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cagaaatccg tactactttg actactgggg ccagggaac cctggtcacc gtctcctcag 120  
cctccaccaa gggcccatcg gtcttcccc tgggcaccct cctccaagag cacctctggg 180  
ggcacacggg cctgggctg cctgggtcaag gactacttcc ccgaaccggt naggtttctt 240  
ggaaactcag gcgccctnac cagcgggggtt tcacaccttc ccgggtgttc ctacagtcct 300  
caggantcta ctccctcagn agnttnntta accgtgccct cccagaagct tggggaccaa 360  
aaactact 368

<210> 2178  
<211> 359  
<212> DNA  
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<220>  
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<222> (332)



1442

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

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aaggtggggc agnaccatg ctgctgctgg ctggagcagg cctgggagga gggcggcac 120  
ctgtacctgc agacggagct gtgcggggcc agcctgcagc aacactgtga ggcctgggg 180  
gccagcctgc ctgaggccca ggtctggggc tacctgcggg acacgctgct tgccctggcc 240  
catctgcaca gccagggcct ggtgcacctt gatngtcaag cctgccaaca tcttcctggg 300  
gccccggggc cgctgcaagc tgggtgactt cngactgntg gtanacttgg gtacagcna 359

<210> 2179

<211> 411

<212> DNA

<213> Homo sapiens

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<220>

1443

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<223> n equals a,t,g, or c

<220>  
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<220>  
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1444

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<220>  
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 <222> (297)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (323)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (346)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (361)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (363)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (407)  
 <223> n equals a,t,g, or c

<400> 2179  
 gcggcagcag caatcatata ccaaattctct ccctcactaa acgtaagcct nctcctcact 60  
 ctctcaatct natccatcat agcaggcagt tgagggtggat taaaccaaac ccagctacgc 120  
 aaaatcttag catactcctc aattaccac ataggatgaa tnntagcagt tctaccgtac 180  
 aaccctaaca taancattct taattttaact atttatatta tcctaactac taccggatnc 240  
 cnactactca actnnggggc cagcaccacg ancctacnan tatctcgnan ctgaannaat 300  
 ctaacatgac taacaccctt aantccatcc accctcctct ccctangaag cctgcccccg 360  
 ntnaccggct ttgagcccag atgggccatt gtccaaaaaa acacctnaaa c 411

<210> 2180  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (540)  
 <223> n equals a,t,g, or c

1445

&lt;400&gt; 2180

```
gctcgcgccg aggggctgcg agagtgaccg cggctgctcc agcgtgacg ccgagccatg 60
gcgagcgagg agcttgaggc gctgaggaga cagaggctgg ccgagctgca ggccaaacac 120
ggggatcctg gtgatgcggc ccaacaggaa gcaaagcaca gggaagcaga aatgagaaac 180
agtatcttag cccaagttct ggatcagtcg gcccgggcca ggtaagtaa cttagcactt 240
gtaaagcctg aaaaaactaa agcagtagag aattacctta tacagatggc aagatatgga 300
caactaagtg agaaggtatc agaacaagggt ttaatagaaa tccttaaaaa agtaagccaa 360
caaacagaaa agacaacaac agtgaaagta agtgccccca gatgcttggt gcaaatgaaa 420
agatggatac tttaaagatt aatgttgagt atacatctac cacacatatt tttcagccca 480
gagacatddd tcctttttgtc aaacacgtga aagtttgggg agaaaggctg aatctgttgn 540
gggaggggtc taatdtttta taggctcttt gactccattc ccaccctttt aagttcacgc 600
ttaagttggt                                     610
```

&lt;210&gt; 2181

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2181

```
gaggtaacca cgtttcagct cgctgtattg tttgcatgga accaaagacc cagagagaaa 60
atcagctttg aaaatcttaa gcttgcaact gaactccctg atgctgaact taggaggact 120
ttatggctct tagtagcttt cccaaaactc aaacggcaag ttttgttgta tgaacctcaa 180
gtcaactcac ccaaagactt tacagaagggt accctcttct cagtgaacca ggagttcagt 240
ttaataaaaa atgcaaagggt tcagaaaagg ggtaaaatca acttgattgg acgtttgcag 300
ctcactacag aaaggatgag agaagaagag aatgaaggaa tagttcaact acgnatacta 360
agaaccagag aagctatcat acaaataatg aaaatgagaa agaaaattag taatgctcag 420
ctgcagactg aattagtaga aatdtttgaaa aacatgttct tgccacaaaa ggaaatgata 480
aaagtgcatt agagtggcta atag                                     504
```

&lt;210&gt; 2182

&lt;211&gt; 527

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (442)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (492)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1446

<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (506)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<400> 2182  
gatgaccggc tgcgggaaga gcggggcgac gcgctcaaga ccaaggaaaa gctggcacag 60  
accgccacgg cctcatcagc agctgtgggc tcaggccccc ctcccagggc ggagcaggcg 120  
tgcccgacga gcagcgggga ggaggagctg cagctccagc tggccctggc catgagcaag 180  
gaggaggccg accagccccc gtccctgcggc cccgaggacg acgcccagct ccagctggcc 240  
cttagtttga gccgagaaga gcatgataag gaggagcgga tccgtcgcgg ggatgacctg 300  
cggctgcaga tggcaatcga ggagagcaag agggagactg ggggcaagga ggagtcgtcc 360  
ctcatggacc ttgctgacgt cttcacgggc ccagcttctg cccgaccaca gaccctggg 420  
ggggcccaca cccatgggtt gntgccgtcc caggggttgc ccaacttgga cccctggggc 480  
gggccccctg tnccttcanc tgctgnatcc cctggggaag gttcaan 527

<210> 2183  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>

1447

<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (328)  
<223> n equals a,t,g, or c

<400> 2183  
gccntngcgt ccgattttaa tgacatctat gaggaagagc catttaattt tcaaattgggc 60  
tataatgagt ttcagaagtt tgttcaaagg aaagcacatt ccgtttataa ttttgaaaaa 120  
cctgtgtgtca tgaaggcttt tgaacacttg cagcaattag aattaataaa gcccatggaa 180  
agaacttcag gaaattcaca gagagagtcc agctgatgaa actgcttttg gataatactc 240  
aaattatgaa tgctctgcag aaaatatccc aactggngta cagatgngaa gccangggcc 300  
acatcctact taacctgggt ntggaatnta acc 333

<210> 2184  
<211> 230  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

1448

<400> 2184  
gctcgtgccg aattcggcac gagtttggac caatccacaa ataaaattgt ctctgactga 60  
gaaagatgag gggcaggagg agtgtagttt ccttgtagcc ctgatgcaga aagatagaag 120  
gaaactcaag agatttggtg ccaatgtgct gacaatcggc tatgccattt ataattgccc 180  
taacaaaaac aaannctnaa acaaaaatcc tccaaatccc ncctcnctcg 230

<210> 2185  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

1449

<220>  
<221> misc feature  
<222> (407)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<400> 2185  
tnnccacnac tncatatnggg aaagctggta cgcctgcagg taccgggtccg gaattcccgg 60  
gtcgacccac gcgtccgaag gctttgaaga gaggctccct gctgggctgc ttcattgata 120  
ccagaagtgc tgcagaatct gagggccgga cgccgtttgg tcttattaag ggcatgcct 180  
acagtgtaac gggaattgac caggtaagct tccgaggcca gagaatcgag ctcacccgaa 240  
tccggaaccc ttggggccag gttgagtgga acgggtcgtg gagcgacagt tctccggagt 300  
ggcgttctgt tgccaactg agcanaagcg tctgtgtcac actgntctgg atgatgggga 360  
attctggatg gcatttaagg acttaaggcc cctttgataa antgganac tgcancct 418

<210> 2186  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (401)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>



1450

&lt;221&gt; misc feature

&lt;222&gt; (511)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2186

```
ggtgctgact ctgcaggggg atgccctcag ccaggcggat gtgaacctga agatgccccg 60
gaacaaccag ctgctgcact tcgccttcg ggaggacaag cagtggaagc tgcagcagat 120
ccaggatgcc agaaaccatg tgagccaagc catttacctg cttaccagcc gggaccagag 180
ctaccagttc aagacaggcg ctgaggtcct caagctgatg gacgcagtga tgctgcagct 240
gaccagagcc cgaaacgggc tcaccacccc cgccaccctc accctccccg agatcgccgc 300
cagcggcctc acgcggatgt tcgcccctgc cctgccgtcc gacctgctgg tcaacgtcta 360
catcaacctc aacaagctct gcctcacggt gtaccagctg natgccctgc agcccaactt 420
caccaagaac ttcgccanct gggggcgcg ngctgcataa ccctggggcc atgttcnaat 480
ggggctttaa cgctggang tgaaccacgt nc 512
```

&lt;210&gt; 2187

&lt;211&gt; 458

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1451

<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1452

&lt;222&gt; (418)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (421)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (453)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2187

```

aaggatgatcc agacgcaana tggctgtcct ctctaangaa tatgggttttg tgcttctaac 60
tggatgctgcc agctttatna tggatggnccn cctagccttc aatgtttcca aggcccgcaa 120
gaagtacaaa ntggagtgga cacttccatt angattctca cacttcaat ttctgttctt 180
ctattaaggg aaatcttaaa angatgtggt atttgatgac tcttaagaag ntctatatcc 240
ctacantatc tttgtgatgc atctgaaatc cccattgatg cttnacgtca atgaaaagca 300
cngaattggn gcaaagctgc ctctttccct tntgcaacta cagcgcaaan atacatcctt 360
attcctggat atttaataaa aacattgact ctgcttctga aaattgaaaa ccttgtcncn 420
nnaattttta accaaaattg aatggtctct tcnagggg 458

```

&lt;210&gt; 2188

&lt;211&gt; 337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

1453

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

1454

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (277)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (287)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (294)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2188

```
gccacgcgt ccncgctgcc cagcctccgg cccgaggccg ctgnccagct cctgcgctcg 60
gngcccaagg tctgcgtcac cgtcctgccc cccgacgaga gcggnccggc cgcaggagt 120
ttttcggagc tgtacacgct gtcgctgcag gancctagcn ggcggggggc nccagatnct 180
gtgcaggatg aggtcnaggg ggtgaccctg ctgtccacca naaancagnt gctgcacctg 240
tgccctgaag atggtggtaa gtctctccang gcctggngat ctggccnagg agangactga 300
gttctctgcac agtcagaact cgctgtgnact acgcaag 337
```

&lt;210&gt; 2189

&lt;211&gt; 526

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (449)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1455

&lt;222&gt; (481)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (482)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (494)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (524)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2189

```
gccacgcgt ncggagccac agaaagtatc gacattaggg aaaagcaacg tgatagtaac 60
gggagcaaac tttacccggg catcgaacat cacaatgata ctgaaaggaa ccagtacctg 120
tgataaggat gtgtgagtcg aaataactaat aatttatcct cggtaacgta acgctcaaac 180
ctgtgccaaa ggaatatcag tgtgattata accttaatat agtcaaatta ttgccatgcc 240
ccaaagcagg ccaattagtc agagtatttg acataatata attccaacac gtaaaataat 300
tttcacaaca gatctgaagt tcattgngag agaactctgtt ctgtgttatt ccccaaaaat 360
ctcaagtata tagtcatttc aagatgttgc ctgggttgggg tcttgattca ttttcagtaa 420
caaaatcaag tatatggagt acaaacaatna ttctttaagg tgatgcactt tggaaaaaaa 480
nntgagtccc ttgnaatttg atgaaggaat tttttgggag caantt 526
```

&lt;210&gt; 2190

&lt;211&gt; 553

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1456

<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (480)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)

1457

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (519)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2190

```
atngncacgn gaccctttga gganctacta cgantcacta tagggaaagc tggtagcgcct 60
gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgcggacgcg tgggtgggca 120
tgcagctgga cagagcaagc agctctctgt atgttgcggt ctctacctgt gtgataaagg 180
ttcccccttg cccgtgtgaa cgacatggga agtgtaaaaa aacctgtatt gcctncagag 240
acccatattg tggatggata aaggaagggt gtgcctgcag ccatntatca cccaacagca 300
gactgacttt tgagcaggac atagagcatg gcaatacaga tggnctgggg gactgtcaca 360
attnctttgt ggcaactgaat gggcattcca gttncctctt gcccagcaca accacatcag 420
attcgacggc tcaagagggg tatgagacta ngggaggaat gctggactgg aagcatntgn 480
ttgactcanc tgacagcaca gaccctttgg gggcaaggnc ttnccataat caccaaagac 540
aagaaggagg tga 553
```

&lt;210&gt; 2191

&lt;211&gt; 627

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (525)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (597)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (606)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (610)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



1458

&lt;222&gt; (611)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (612)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2191

```
gcatgggagc tgttcagcag ttttaacttag atgtcataca gtgtgaattg tttgccagct 60
ctgagcctgt gccaggattc caggggggata ccctgcagct agcattcatt gacctcagac 120
aactccttga cctgtttatg gtttgggatt ggtctactta cctagctgat tatgggcagc 180
cagcttctaa gtaccttcgg gtgaatccaa acacagccct tactcttttg gagaagatga 240
aggatactag caaaaagaac aatatatttg ctcagttcag gaagaatgat cgagacaaat 300
agaagttgat agagacagtc gtgaaacagc tgagaagttt ggtgaatggt atgtcccagc 360
acatgtagac ctcacatggc ttgcactcag tgacacccaa tccatgattc aatgttgatc 420
ttgagcaagt attggtcatg atacagtaat ttgtttacag aatccaaaaa tacaatagag 480
aagatacatg agggcttaaa caagaaatag taataaatat cattngtatt ggatttttaa 540
ataatcgatc tattttatat atggaaaaaa aatgaccatt ttttcacttt taggggnaaa 600
attgcnaaan nngtaatact taaattg 627
```

&lt;210&gt; 2192

&lt;211&gt; 343

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (269)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (308)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (321)

&lt;223&gt; n equals a,t,g, or c

1459

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (334)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2192

```
ggggaccact ntcttcttgg tacttctcag attttttttt ctttataacc cgtatgaatg 60
gtaggatcat tccttttttt gttccattta gagaaataac gtatgcagtg ggacccaaat 120
tctttttcac tcattgcatt attttgctct aaatacaggt aagtgtgtta acagaccagg 180
tggaggctca gggagagaag attcgagatt tggagttttg cttgaagagc acagagagaa 240
gttgaatgcc acagaagaaa tgctggaana ggtatgtcaa aggccagaac caagatggga 300
ttccctgntg aactntgtga natgctgcat tctntgttgg gtt 343
```

&lt;210&gt; 2193

&lt;211&gt; 642

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (522)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (568)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (609)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (611)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (624)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (639)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2193

```
gctgcgagaa gacgacagaa gggtagcggt gcgagaagac gacagaaggg tacggctgcg 60
agaagacgac agaaggggtt ttcgcaacgg gtttgccgcc agaacacagg tgtcgtgaaa 120
```

1460

```

actaccacctta aaagccaaaaa tgggaaagga aaagactcat atcaacattg tcgtcattgg 180
acacgtagat tcgggcaagt ccaccactac tggccatctg atctataaat gcggtggcat 240
cgacaaaaga accattgaaa aatttgagaa ggaggctgct gagatgggaa agggctcctt 300
caagtatgcc tgggtcttgg ataaactgaa agctgagcgt gaacgtggta tcaccattga 360
tatctccttg tggaaatttg agaccagcaa gtactatgtg actatcattg atgccccagg 420
acacagagac tttatcaaaa acatgattac agggacatct caagcttgac tgtgcttgtc 480
ctgattgggtt gcttgctgggt gttggtgaat ttggaagctg gnatcttcca agaatgggca 540
agaccccagag agcattgccc tttctggntt acaccacttg ggtggggaaa caacttaaat 600
ggcgggggnt naacaaaaat gganttcac ttgggccnc cc 642

```

&lt;210&gt; 2194

&lt;211&gt; 239

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (195)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (212)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (237)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (238)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2194

```

gtgaaaaacc atatggcata gttgaaaaga agtccagaat attccctggg gatacaattc 60
tggagactgg agaagtaatt ccaccaatga aagaatttcc tgatcaacat cattaaagat 120
tatgtaaaaa gttaaaaggc ttatgagcct aagtttgttc ctatattacc atatttactg 180
aattttctgg aaanntaact tttaaataaa antttaatct cagaaatttg tcattgnnc 239

```

&lt;210&gt; 2195

&lt;211&gt; 290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1461

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<400> 2195  
gcgggcgcag acggcggcag tgcggcttgc tcttggaagt tcaggctcgg ttgtcttttg 60  
ggagccatgg agagtgactt ttatctgcgt tactacgtgg ggcacaaggg caagttcggc 120  
cacgagttcc tggagtttga gtttcgaccg gacgggaagt taagatatgc caactcagct 180  
gctgctgntt ccatgtgttc tgggttcana ggtcatggct ncaccgggtca gagcnctgag 240  
tgnctcaggg tttggcaatg gaatttttaa tgtaataaat ctttatngaa 290

<210> 2196  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

1462

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<400> 2196  
ggcanagcag agagcagtgt acgatgagca gggaacagtg gacgaggact ctcctgtgct 60  
cacccaagac cgagactggg aggcgtattg gcggctactc tttaaaaaga tatctttaga 120  
ggacattcaa gcttttgaaa agacatataa aggttcggaa gaagagctgg ctgatattaa 180  
gcaggcctat ctggacttca aggggtgacat ggatcagatc atggagtctg tgctttgcgt 240  
gcagtacaca gaggaaccca ggatgaagga ntatcattca gcaagctatt gacgccggag 300  
aggtcccatc ctntnaatgc ctttgttcaa agattcgaaa caaaggtgna tgcaagggaa 360  
aaggngggct caggang 377

<210> 2197  
<211> 541  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<220>

1463

<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1464

<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (371)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (389)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)

## 1465

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2197

```

caaagagtct accctgcacc tgggtgctccg tctcagaggt gggatgcaga tcttcgtgaa 60
gaccctgact ggtaagacca tcaccctcga antggagccg agtgacacca ttgagaatgt 120
cgaggcaaag atccaagaca aggaaggcat ccctcctgac cagcanangt tgatctttgc 180
cggaaaacag ctggaaaatg gtcgnncct gtctgactac cacatccaaa nagatccacc 240
ctgcacctgg tgctccgtct canangtggg atgcaaactt tccngaagac ctgactggta 300
anancatcan tctcgaantg gaccaaatgn cacnttgaca atatcgnggc tagatcccan 360
acaaagaaag ngncctcctt gaacancana agttgatctt ttgggtgggga aacanttgga 420
anatggaccc ccctgtcttg actacnacat cccgaaagat ttccccctt gnccttggg 480
tgctnccnc ctttataang tgggggatgc aaaatcttcc ctntcaaaaa accccgaatt 540
g                                                                 541

```

<210> 2198

<211> 282



1466

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (67)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (169)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (189)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (195)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (214)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (244)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (268)

1467

<223> n equals a,t,g, or c

<400> 2198

```
aggggggatnt caatcggaaa cnctaacaan tttacccagg aaaccgctat gaccatgatt 60
acgccangct ctaatacgac tcaactatagg gaaagctggt acgcctgcag gtaccggggcc 120
ggaattccccg ggtcgaccca cgcgtccggg gttcagagct ttctggagng atatcttcag 180
cttgtgatna agagncaa atggaacgaa gagngatcac gatttctaaa tcagaatatt 240
ctgngcactc atctttggca tccaaagntg atgttgagca gg 282
```

<210> 2199

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (188)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (202)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 1468

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (322)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (404)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (418)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (480)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (484)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (507)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2199

```

ggcgttcttg gcgtcgggac cctacctgac ccatcagcaa aagggtgttg ggctttataa 60
gcgggcgcta cgccacctng agtcgtggtg cgtccanaga gacaaatacc gatactttgc 120
ttgtttgatg agagcccgtt ttgaagaaca taagaatgaa aaggatatgg cgaaggccac 180
ccagctgntg aatgaagccc anggaaagaa ttctggtacc gcagnattna cagccataca 240
tcttccttga ctctcctggg ggcacctcct atgagagata cgattgctac aagggtccan 300
aatggtgctt anatgacttg gnacctctct gagaaggcaa tgtatcctga ttactttgcc 360
aagagagAAC agtggaaagaa actgCGGagg gaaagctggg aacnagaggt taagcagntt 420
gcaggaggaa acgccacctg gaggtccttt aactgaaagc ttttgcccc tgcncgaaan 480
gaangtgatt ttgccccac ttgtggg                               507

```

&lt;210&gt; 2200

&lt;211&gt; 331

1469

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (330)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (331)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2200

```
gcgctgttgc ttgggaaaaa gggcatcgag aagaacctgg gcatcggcaa agtctcctct 60
tttgaggaga agatgatctc ggatgccatc cccgagctga aggcctccat caagaagggg 120
gaagatttcg tgaagacctt gaagtgagecc gctgtgacgg gtggccagtt tccttaattt 180
atgaaggcat catgtcactg caaagccgtt gcagataaac tttggatttt aaattgcttt 240
ggngatgatt actggattga catcatcatg ctttccaaat tgggggtggc tctgngggcc 300
cttaataaag ccgncttgat tttaaaaaan n 331
```

&lt;210&gt; 2201

&lt;211&gt; 476

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (325)

&lt;223&gt; n equals a,t,g, or c

1470

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (450)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2201

```
ctcgtgttct tgctgatatt accaagtcac tgactaatcc tacgccaata caacagcaac 60
tgagacgctt cactgaacat aactccagtc caaatgtcag tggaagcctc tcctctgggc 120
tgcagaaaat atttgangac cccactgaca gtgatttgca taaactaaaa tctccaagcc 180
aggacaacac agacagctac ttcagaggga aaacattatt gctgggttcag caagcctcct 240
ctcagagcat gacttattct gaaaaggatg aaagggaaag tagccttcct aatggtcgga 300
gcgtctccct catggacctc caggncactc atgctgctca agtggagcat gcatctgtca 360
tgcttgatgt gcctatacgc ttgaccggaa gccagctttc cataaccagc gtggccagca 420
tcaaacagct gcgggaaacc cagagcactn cccaaagtgc accccaagtg agaagg 476
```

&lt;210&gt; 2202

&lt;211&gt; 209

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1471

<221> misc feature  
<222> (88)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<400> 2202  
gactagntnt ttatcgcnag cgttcgntcn agaggatcca ggcttacgta cgcgtgcatg 60  
cgacgncata cactcttcta tagtagcnac ctacantcaa tncactggcc gtcgttcaac 120  
nagagcacg actgggaaaa ccctggagct acccaactta ntacgccttg cagcacatgc 180  
cccntcntc agctggcgta ataaggga 209

<210> 2203  
<211> 311  
<212> DNA  
<213> Homo sapiens

<220>

1472

<221> misc feature  
 <222> (186)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (243)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (258)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (270)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (296)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (307)  
 <223> n equals a,t,g, or c

<400> 2203  
 gcagcggcca cagcaattat atggtggact ggtaccaaca gagaccaggg aagggccccc 60  
 ggtttgtgat gcgagtgggc actagtggag ttgtgggacc caggggggat ggcattccctg 120  
 atcgcttctc agtcttggcc tcaggcctga gtcgggacct gaccatcacg aacatccagg 180  
 aaagangatg agagtgacta ctactgtggg acagatcatg gcagtgggaa caacttccctg 240  
 tcngtttttc cgcggaangg aaccaaactn aaccgtccta ctttcagccc caaggntgcc 300  
 cccccngtt c 311

<210> 2204  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (55)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (93)  
 <223> n equals a,t,g, or c

1473

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<400> 2204  
ggaccttttg agttccagct taaggggtatc agcctccctg gctgatgtaa gtcanaaggcc 60  
tcttataccc actttgatga ggaaggactg tanagttgat gccaggcaga aacaggcaca 120  
tatgtgtgtc ttctgcctct cccagatcc tgtacttcac caatggccat ctgtatccaa 180  
ctggttctaa atcaaacggg tcagcctgct tcanaacccc cccacagtgg ggggtggcac 240  
actgaaactg actgacgtcc accctcanat actggaacct acctctgcca antcaacaac 300  
ccaccanat ttctaccca atngggttgg ggctaacca accttactgt ncttggtccc 360  
ccccnttat cccctta 377

<210> 2205  
<211> 465  
<212> DNA  
<213> Homo sapiens

<400> 2205



1475

<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (190)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)

## 1476

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<400> 2206

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ggggtgcaag agaccnccaa tgggtagcnc gccctacttt gantgaangg ancgcccgca 60
gggtaccgggt ccggaattcc cgggtcgacc cacgcgcct ttnntngccn ggggtgcagcc 120
ctgntggcag ggggcatttg ggngncaatc gatggggcat cctttctgaa gatcttcggg 180
ccactgncgn ccagtgccat gcagttingtc aacgtgggct actncctcat cgcagccggc 240
gtagtgggtc ttgctcttgg antcctgggc tgntatgggt ctaagactga gagcaagnn 300
gccctcgtga cgtacttcta catcctcctc cn 332
```

<210> 2207

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

1477

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (437)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (452)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2207

```

ggccagcatt gcttctacca gctggcggca ctctcgaggag gtggcttaca ttgtggaagg 60
ggactttact ggtgttctcc ttccagaact agtagtttct atagtgtctc tgctcagtaa 120
aaatgctggg ctcatgcaag aggctggagc tgtacctntg ctgggtggcc tgttggaaca 180
tctggatcgg ttcaaccatc tggcaccagg aaaggaacgg gatgatcatg aagagttagc 240
ctgcctggca taatggagtc attttttaca ggtcagaact gtagaaataa tgaggaagtg 300
acacttatac gcaaagctga tttggagaac cataataaan atggangctt ctggactgtg 360
attgacggga aggtgtatga tataaaggga ctttcagaca cagtnggtaa caggaaatan 420
tattctgctt aanttgnaag ggaaagaacc an 452

```

&lt;210&gt; 2208

&lt;211&gt; 295

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1478

<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<400> 2208  
gattttaatta tnnnctagat tgtctgggca acggcagaaac ggagtggccac tgtggagcan 60  
ataactgcag tggtttttcta ggagtgcggc caaagtcggc atgtgcgtna acaaatgaag 120  
agaaggcaaa aaatgctaag ttaaaacaga agagacgaaa gatcaaaaca gaaccaaaagc 180  
atatgcatga agattactgt tttcaatgtg gagatgggtg anagctgggc atgtgtgaca 240  
aaaaagantg tccaaagtat accaccttcc tattgccttn aanctgactt aagcc 295

<210> 2209  
<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>

1479

<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<400> 2209  
ggaaagcgcc gagatgacgg gctttctgct gccgcccgca agcagaggga ctcggagatc 60  
atgcagcana agcagaaaaa ggcaaacgag aagaaggagg aaccaagta gctttgtggc 120  
ttcgtgtcca accctcttgc ccttcgcctg tgtgcctgga gccagtcca ccacgctcgc 180  
gtttcctcct gtagtgctca cagggtcccag caccgatggc attccctttg ccttgagtct 240  
gcagcggggtc ccttttgtgc ttccttcccc tcaggtagcc tctctcccc tgggccactc 300  
ccgggggtga ggggggttacc cctttccagt gntttttatt cctgnggggc ttaccccaaa 360  
agtattaaaa agtagctttg naattcaaaa aaaatntant 400

<210> 2210  
<211> 381  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)

1480

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 2210

```
gtgnaacgtc cgacagaacg aggggacgta acggaggcag gttggagccg ctgccgctgc 60
catgaccgcg ggtaaccagc gtgagctcac ccgccagaag aatatgaaaa agcagagcga 120
ctcggttaag ggaaagcgcc gagatgacgg gctttctgct gctncccgca agcagaggga 180
ctcggagatc atgcagcaga agcagaaaaa ggcaaacgag aagaaggagg aaccaagta 240
gctttgtggc ttcgtgtcaa cctntttgcc cttegcctgt gtgcctggaa ccaagtccca 300
ccangctcgc gtttcctcct tgtagtgtc acaggtccag naccgatggn attccctttg 360
cccttgantc tgcaacnggg g 381
```

<210> 2211

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature .

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

1481

<220>  
 <221> misc feature  
 <222> (9)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (58)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (447)  
 <223> n equals a,t,g, or c

<400> 2211  
 ggncagn gna aaaagtgtgn cctccatata cccaagaaat gagggtcttta gcgaaagnac 60  
 ctaattcagc gtcttttgat gaaagatccc aagaagagat tgggatgtgg tccacgtgat 120  
 gcagatgaaa tcaaagaaca tctcttcttt cagaaaataa attgggatga tttagccgcc 180  
 aaaaaagtc ctgcaccatt taagccagtc attcgagatg aattagatgt gagtaacttt 240  
 gcagaagagt tcacagaaat ggatcccact tattctccc cagccctgcc ccagagttct 300  
 gaggaagctg tttcagggct attctttgtt gctccttcca tcctattcaa acgtaatgca 360  
 gctgtcatag accctcttca gtttcacatg ggagttgaac gtctggagtg acaaagtgtg 420  
 ccaggagtgc aatgatgaag gactctncat tctatca 457

<210> 2212  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 2212  
 tgaaaaggac tcttggaag tgaaaacttt agatgaaatt cttcaggaaa agaaacgaag 60  
 gaaggaacaa gaggagaaag cagagataaa acgcttaaaa aataacaacg cttcttcggt 120  
 gaagtctttt tgtacttcca aatgtcgcag tctgatgacc gggattccaa gcgggattcc 180  
 cttgaggagg gggagctgag agatcaccgc atggagatca caataaggaa ctccccgtat 240  
 agaagagaag actctatgga agacatctcc ccacaactgc cactgctcac caggacaagc 300  
 tgcccttcct gtctccacct ctgagtcctc ctagaatgga tggctggggg agaggtggag 360  
 gctgacagct gagacgtagt gtca 384

<210> 2213  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

1482

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2213

```
gaactgtctt cagtagttag ttcaagtgga acagaggggtg cttccagttt ggagaaaaag 60
gaggttccag gagtagattt tagcataact caattcgtaa ggaatcttgg acttgagcac 120
ctaattggata tatttnagag agaacagatc actttggatg tattagttga gatggggcac 180
aaggagctga aggagattgg aatcaatgct tatggacata ggcacaaaact aattaaagga 240
gtcgagagac ttatctccgg acaacaaggt ctttaacccat atttaacttt gaacacctct 300
ggtagtggaa caattcttat agatctgtct cctgatgata aagagtttca gtctgtggag 360
gaagagatgc aaagtacagt tcgagagcac agagatggag gtcatgcagg tggaatcttc 420
aacagataca atattctcaa gattcagaag gtttgaaca 460
```

&lt;210&gt; 2214

&lt;211&gt; 388

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (336)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (348)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (358)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)



1483

<223> n equals a,t,g, or c

<400> 2214

```
ggtacagtcc ggagctgagg ngaaggngtc cggggagtct ctgagcatct cctgtcaggt 60
gtctggatac accctcacca gttattggat caactgggtg cgccagatgc ccgggaaagg 120
cctggagtgg atgggcaggc ttgatacttc tgactctttt atcaattaca atccgtcctt 180
cgaaggccac atctccatct cagctgacaa gttcatcagc accgcctatt taaagtggaa 240
caccttggag gcctcggaca ccgccatgta ttactgtgcc ctttccgggc gacaacaact 300
cgtccccgtc tactggggcc agggaaccca ggtcancnccn cttcttanca atccccganca 360
gncccaaagg ctttccgctg aacctttg                                     388
```

<210> 2215

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

1485

<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1486

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (379)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2215

```
naattcggca nagccaaaat gtaccgggggt gtgctggatg ccacgcagag gcagcttaca 60
gtcaccgtga ctnagnaagt tctcagttag gttcaaggag aacagtgtgg ctgtcaaggt 120
cgtccagggc cctgcagggtg gtgacaacag naagntacgt tacaaaaaaa aggggagtc 180
ttgcttgng gtgactntgc agttaggagg gggcaccatg cagagatggc anttncctcc 240
tctgaacca gcactaaten cnccttgnc tnnctttttt ggggggttnt ttaancncnt 300
tnnntngggg gggnggggt tnggggttta aantnccctt ttgggggggaa aaaaaaaaaa 360
aaaatttttg ggggggggnc cccg                                     384
```

&lt;210&gt; 2216

&lt;211&gt; 289

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (151)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (181)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (211)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (220)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (240)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c

1487

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (267)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2216

```
gattgaacag aagtatgccataatagctat gttacaggat caaaattaat 60
ttcaaaccctt ccaaccaacc ctataagccg tctcatcagt ctctaataga ctcattttca 120
gctatttagat atggatgata tatgatgatt ncattatcat atttttcaag gacttactta 180
ntggctgatt atcagtggta aatcctccaa ngagaaaatn gatgatctga agaaactggn 240
gttagtgagt gccaagattn gaccaantgg gcatatgcct tgtggaatt 289
```

&lt;210&gt; 2217

&lt;211&gt; 408

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2217

```
ctgggagcgc ctgccttctc ttgccttgaa agcctectct ttggacctag ccaccgctgc 60
cctcacggta atgttggact cggtagacaca cagcaccttc ctgcctaata catccttctg 120
cgatcccctg atgtcgtgga ctgatctgtt cagcaatgaa gactactacc ctgcctttga 180
gcatcagaca gcctgtgact catactggac atcagtccac cctgaataact ggactaagcg 240
ccatgtgtgg gagtggctcc agttctgctg cgaccagtac aagttggaca ccaattgcat 300
ctccttctgc aacttcaaca tcagtggcct gcagctgtgc agcatgacac aggaggagtt 360
cgtcgaggca gctggcctct gcggcgagta cctgtacttt caattcct 408
```

&lt;210&gt; 2218

&lt;211&gt; 614

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (322)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (427)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (553)

&lt;223&gt; n equals a,t,g, or c

1488

&lt;400&gt; 2218

```
ccaaccctca ctaaaggga caaaagctgg agtccaccg cggcgcggc cgctctagaa 60
ctagtggatc ccccggtctg caggaattcg gcacgaggaa aattgaacaa gatggacggg 120
tccaggaaag aggaggagga agacagcaca ttcaccaaca tttctcttgc agatgacata 180
gaccattcct caagaatttt gtatccaagg cccaaaagtt tgttacccaa gatgatgaat 240
gctgacatgg atgatctctc tgcaagagta gatgcagtta aggaagaaaa tctgaagcta 300
aaatcagaaa accaagttct tngacaatat atagaaaatc tcatgtcagc ttctagtgtt 360
tttcaaacia ctgacacaaa aagcaaaaga aagtaaggga ttgacaccct tctgttttat 420
ggaattnctg ctgatcattt tttctttaaa acttgtagat attccaaaag ttacagtacc 480
tttgtggctt cattgaatat ttatgaagat aatgtcagat gtagacaaaa ataacacaat 540
aacaggagac ttncataagt ttgtgtatta tgtagtcta tgaaaacgtg caaatgtatt 600
gtagagactt tatg 614
```

&lt;210&gt; 2219

&lt;211&gt; 651

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (442)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (472)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (475)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (485)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (562)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1489

<222> (608)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (620)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (628)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (629)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (651)  
<223> n equals a,t,g, or c

<400> 2219  
gaaaagaaaa aaaatctctc cccgttgaac' aaaagatgca aagcgattga gaggggtccaa 60  
agttattttta ttgatcaact gaataaatat acataaatgt tactttcttt ttctttactt 120  
tattttttttt tccccattcc agatcctggg tgtttggtg acctacagat acaggaacca 180  
gaaagacccc cgcggaatc ctagtgcatt cttttgatga gaaaacaagg aagatttcct 240  
ttcgtattat gatcttggtc actttctgta attttctgtt aagctccatt tgccagttta 300  
aggaaggaaa cactatctgg aaaagtacct tattgatagt ggaattatat atttttactc 360  
tatgtttctc tacatgtttt tttctttccg ttgctgaaaa atatttgaaa cttgtggtct 420  
ctgaagctcg gtggcacctg gnaattaatg ggattcaatg gccggcactn gncnnttggg 480  
cctntnttaag catttttacc tggcaaaaaa acttttggtt ggacccctgg ggttgggtta 540  
atatggggaa atctgaacgt anaattttta ctgggaataa ataatatgaa ccctgggctg 600  
gggaaaangg tcctactggn aaaaaganng ggaaattatt aaaatcagaa n 651

<210> 2220  
<211> 569  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

1491

<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (384)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1492

&lt;222&gt; (408)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (436)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (512)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (520)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (529)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (531)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (537)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2220

```

tgganggaaa gtggactccc cgccgtngcn gccactctaa aactantgna tcccccgggc 60
tgcatagaatt cggcacgagg gctgttgccg accctgcacg gggcgcgta catggtccgg 120
gacgcaccgg aaattccgca aggtggcagt ccagccnct gctcangatt ccggcctaac 180
ccggagctga cggaggcnct gaccaccagc ttcgtgcgga ggctgttctg gggtagccng 240
ggcgcgngaa ctccgctcgc tgaanctttg agaactncca gcgcatactc naggatcct 300
gtctcagcgc ctgngagcct gaccgctgaa nagnncngac aaccttcttc gtaccncggg 360
acccccaggt ttttgcaat ccngaataa ancnnnggag tcgtcacngg ctctcgcgc 420
ctcaagggtg aaatcntggc ctgtgcctcc caaaacaaag tggggaaccc agtctcggtc 480
acctgggaac atggtgaaca tgtgaatgca anatctgggn atcggaagnc ngaattncaa 540
atgtgactcc acctcttggt aagccgtga 569

```

&lt;210&gt; 2221

&lt;211&gt; 414

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;



1493

<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (407)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
<223> n equals a,t,g, or c

<400> 2221  
gccacgcgt cgggaggat gagcaattcc ccagcatacc ggctctgggt cacagttata 60  
tgacaggcag gcgcccactg tcccaggcca caggggctgt ggtctccagg cctgtgactt 120  
ggcaggggcc tctgcgacgc agcttttagcg aggacaccct gatggatggc ccagctcgga 180  
tagagcctat cagggcaagg aagtggagca acagtcagcc tgcagatttg gcacatatgg 240  
ggcagtcaag agaagacccc gctgggatgg aagcctccac catgcccata tctgccttgc 300  
cccgaacgag cagttgaccc cgggtgttgct gaaggccct gctccctggg aacttgttgc 360  
cgacaagtct cagggcctnc gatgggcaac ttaagccnan gcaccancca ancc 414

<210> 2222  
<211> 571  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)

1494

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (521)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (554)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2222

```

gcctccggga cttggaacgc cccgggtggg tgggtgtccgg gcgtcctttc cccgcttctt 60
cccacctcgg ctggtcccgt ttctctctgc gcccagtgcg gacctgtctc ggcgccccgt 120
gccctctcac cgccccacgc aggatcccgg cctgggtcacc gggcagtng atgttccccg 180
actgccgcgg ggacagcgag gcacacacag ggcttgggcc gcgccggagg ccacacggcc 240
tggctgagtt gtccttggtc tcccgcctct ccaggcgac ccggaggtag catttcccag 300
gaggcacggt cccccccagg gggatgggca cagccacgcc agatggacga gaagaccaan 360
aaagcanagg aaatggccct gagcctcacc cgagcagtgg cgggcgggga tgaacagggtg 420
gcaatgaagt gtgccatctg gctggcagag caacgggtgc ccctgagtgt gcaactgaag 480
cctgagggtct cccaacgca ggacatcaga ttctctcatgg ngcaaaatgg ccattccagc 540
tncatccagc catnacantn acagggagga a 571

```

&lt;210&gt; 2223

&lt;211&gt; 262

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 1496

gacaaaagaa gaaacaagga catgaccnaa aggctgctgn caaagctgcc ttaatatata 180  
cctgcactgt ctgtaggaca canatgncag accctaanac cttnaagcag cactttgaga 240  
gcaagcatcc taagactcca nt 262

<210> 2224

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<400> 2224

gtaaaataaca gatgcgggtg aaagatccaa ctaaagcttt acctgagaaa gccaaaagaa 60  
gtaaaaggcc tactgtacct catgatgaag actcttcaga tgatattgct gtaggtttta 120  
cttgccaaca tgtaagtcac gctatcagcg tgaatcatgt aaagagagca atagctgaga 180  
atctgtggtc agtttgctca gaatgtttta aagaaagagg attctatgat gggcagctag 240  
tacttacttc tgatatttgg ttgtgcctca agtgtggcct ccaggggatgt ggtaaaaact 300  
caganagcca acattcatt 319

<210> 2225

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

1497

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2225

```
atattgaaag ttggggcgcc tgcaggtagc ggtccggaat tcccggggat ttcaactcct 60
agcttttcat cctactataa aggaggattt gaacagaaaa tgagtaggcg agaagctggt 120
cttatttttag gtgtaagccc atctgctggc aaggctaaga ttagaacagc tcataggaga 180
gtcatgattt tgaatcaccc agataaaggt ggatctcctt acgtagcagc caaaataaat 240
gaagcaaaag acttgctaga aacaaccacc aaacattgat gcttaaggac cacactgaag 300
gaaaaaaaaa gaggggactt cgaaaaaaaa aanaaaaggg cggccgctct agaggatcca 360
agcttacgta cgcgtgcatg cgacgtcata gctcttctat agcggcacct anattaattc 420
actgcncnnc gttttacaac gtccgactgg aaaaaccctc ng 462
```

&lt;210&gt; 2226

&lt;211&gt; 493

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2226

```
taanggnaca aagctggngc tccaccgagg tgnccggccg tctagaacta gtggatcccc 60
cgggctgcag gaattcggca cgaggaggag agcatgaatg agagtcaccc tcgcaagtgt 120
gcagagtctt ttgagatgtg ggatgatcgt gactcccact gtaggcgccc taagtttgaa 180
gggcatcccc ctgagtcttg gaagtggatc cttgcaccgg tcattcttta tatctgtgaa 240
```

1498

```

aggatcctcc gggtttaccg ctcccagcag aagggtgtga ttaccaaggt tgttatgcac 300
ccatccaaag ttttggaatt gcagatgaac aagcgtggct tcagcatgga agtggggcag 360
tatatctttg ttaattgccc ctcaatctct ctccctggga tggcatcctt ttactttgac 420
ctctgctcca gaggaagatt tcttcttcat tcatatncga gcagcagggg acttgacaga 480
aaatctataa ggg                                     493

```

&lt;210&gt; 2227

&lt;211&gt; 520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2227

```

gtcnnengac agtgacngta cngtattccc gggtcgaccc acgcgtccgg taaaattctg 60
ggctctggta tcagttcctc ttcagtattg catggcatgg tttttaagaa ggaaaccgaa 120
gtgatgtaac atctgtcaaa gatgcaaaaa tagcagtgtg ctcttgcctt tttgatggca 180
tgataacaga aactaaggga acagtgttga taaagactgc tgaagaattg atgaatttta 240
gtaagggaga agaaaacctc atggatgcac aagtcaaagc tattgctgat actggtgcaa 300
atgtcgtagt aacagggtggc aaagtggcag acatggctct tcattatgca aataaatata 360
atatcatgtt agtgaggcta aactcaaaat gggatctccg aagactttgt aaaactgttg 420
gtgctacagc tcttctaga ttgacacctc ctgtccttga agaaatggga cactgtgaca 480
gtgtttactc tccagaagtt tggagatact cagggtggtg                                     520

```

&lt;210&gt; 2228

&lt;211&gt; 538

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1499

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

1500

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (537)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (538)  
<223> n equals a,t,g, or c

<400> 2228  
tttacaactt cnttcnnngg ggggaaaaaa aaggcccttg gggtttaacc cggccccctt 60  
tggcccaaag gggtttaacc cccggggggt nccccgggg aaaaattttt cccccgggg 120  
gggttnccgn aacccccaaa cggncctgtt tccccggggc cggggggggn aaccggaaac 180  
cgnttttggg aaaaagcccc caattggggg cccccgggct ttaccggttt ccaaaggga 240  
aacttttttc ccaaccccc aagaacttg gttttggggg ttcttgaacc cgggcttncc 300  
aaccaaaaca agggtttgcc ccaangctta gtcacaagt acccggttg tacttacaat 360  
tgccggggcc caaggatgaa gaccangact acatctggac cactcattgc atctacctgt 420  
aacctgacgg ctttacggat actacggcga caatcgctac agattaacat gtcgngnaca 480  
tgcggttcna tgctgcttac cactgatctg cccatattaa cggtcggtta aaaaaann 538

## 1501

&lt;210&gt; 2229

&lt;211&gt; 554

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (251)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2229

```

gcgcgcgggtt cgcactttcc aggtttcttc cccagggaac agagcttgag cggggggcca 60
cccccccgctc ctaccggagt tctgaggtgc ggtcaggcgc ggagagcgga cgcccagcgc 120
cagattctgt gggctccgga gttcaggccc actgagccgc agctgagcac aggcggggca 180
ggaaaaagga tgaggtgagg gaaggcgtg ggttcctgga accccaaggg agcactgagc 240
tgagtaagtt ngttcctgtc aattgggaac cccctcaacc acttccattc cccaaatacc 300
tgcgctgcta ccgatgcctc ttggagacca aggagttagg gtgccttctg ggatctgaca 360
tctgcctcac cccagctggc agcagctgca tcaactctcca caaaaagaac agcagcgggt 420
ctgacgtcat ggtgagtgc tgccgaagta aggagcagat gagtgattgt tcaaataccc 480
gaacttctcc ggtgtctggc ttctggatat tctctcaata ctgcttctg gatttctgca 540
atgacctna aaac

```

&lt;210&gt; 2230

&lt;211&gt; 266

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (170)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (185)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c



## 1502

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<400> 2230

```
gcagctgtac aatgccatct tcaatcatta ctctgaaaaa tgggaattcag aacatgctgc 60
agttttatat tccggaggta gaaggcgtag aacaggttat ggatgatgaa tcagatgaaa 120
aagaagcaaa ctcaccttaa aataatctgg attttctttg ggcataacan acagacttgt 180
tgatnatata tatcaagttt ttattattaa tatgcntgag gaacttgaag atnaataaaa 240
tatgctcttc atanaatgat atttct                                     266
```

<210> 2231

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

1503

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2231

```
gttcagctcc aaaagcccct gccacacctg gggcacagnt ggcacctgat gtgagactgc 60
tctatgtgct agccattgcc gcgcttggtg gcctctgect catcctggcc tcctccctcc 120
tctatgtggc ctgtctgcgg gaaggcagac gagggcgccg acggaaatac tcaactgggtc 180
gggccaacnc gggcaggagg atctgcggtg caactgcatg acagtcttaa gccantgtcc 240
tgnanaggaa gatgagggtg atgatgaagg gggcttnggg gccttgaagg gcaan      295
```

&lt;210&gt; 2232

&lt;211&gt; 484

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (464)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (473)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (483)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2232

```
gtcgggtgtg agtnttttca gcaacccggt ccagtactgg gagatacagc catccacctt 60
cagatgtgtc tacgtgcgct ctgccattca actcggaac tataagtaat tctcaagaaa 120
gccctcattt ttataacctg gcaaaatcct gttaatgtca ttgctaataa ataaataaaa 180
gctagatact ggaaacctaa ctgcaatgtg gatgttttac ccacatgact tattatgcat 240
aaagccaaat ttccagttta agtaattgcc tacaataaaa agaaattttg cctgccattt 300
tcagaatcat cttttgaagc tttctgttga tgttaactga gctactagag atattcttat 360
```

1504

ttcactaaat gtaaaatttg gagtaaatat atatgncaat atttagtaaa gcttttcttt 420  
tttaatttcc aggaaaaaaa taaaagagta ttgaagnctt ctgnaattca ttnagcaagt 480  
agnt 484

<210> 2233

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1505

<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (374)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (382)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)

1506

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

1507

<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (441)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

1508

<220>  
<221> misc feature  
<222> (464)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (476)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (486)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (493)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (496)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (500)  
<223> n equals a,t,g, or c

<220>

1509

&lt;221&gt; misc feature

&lt;222&gt; (505)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2233

```
aattcggcac gagcaagtgc cttgaaacag tatttnagga gtcttccaga gcctctnatg 60
acctatgagt tacatggaga tttcattggt ccagccaaaa gcggcagccc agaactctngt 120
gttaatgcga tccattttctt ggtacacaaa ctgccagaga agaataaaga gatgttggat 180
atthtgggtga aacacttaac aaatgttttna aatnactcca agcagaaccn gangactgtg 240
gcaaacttag gagtggtggt tggaccaact ctgatgagggc cacaggaaga aactgtngct 300
gccctnatgg actttgaagt ttcagantat tgttgtggga aatcttaatt ggaaaaccag 360
gaaaagggttt tttnggncgn nncngnnat taaatnnnn gngnccanct nntctntaaa 420
gnatnanccc gnaantgggg ncagcaagg nanttgngg ngtnaagggc cagnnncca 480
gggggnccgn ggncgnttnn aaatnttt 508
```

&lt;210&gt; 2234

&lt;211&gt; 467

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (387)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2234

```
gggcgtggcg gcgctgtgcg cgtgcacaaa agagagctga ggggcggggg cgctgctggca 60
cagctggttt gagcaactga actggaaaca agatgcagga cccaacgca gacactgaat 120
ggaatgacat cttacgcaaa aagggtatct tccccccaa ggaaagtctg aaagaattgg 180
aagaggaggc agaagaggag cagcgcaccc tccagcagtc agtggtgaaa acatatgaag 240
atatgacttt ggaagagctg gaggatcatg aagacgagtt taatgaggag gatgaacgtg 300
ctattgaaat gtacagacgg cggagactgg ctgagtggaa agcaactaaa ctgaagaata 360
aattcggaga agttttggag atctcangga aggattatgt tcaagaagtt accaaagctg 420
gcgagggcctt gtnggtcatc ttgcaccttt acaaccaagg aattccc 467
```

&lt;210&gt; 2235

&lt;211&gt; 476

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (325)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



## 1510

<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (442)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (460)  
<223> n equals a,t,g, or c

<400> 2235  
ggcttctaag tattctttct agtcatgtga ataggtaatt tgagaaatac atgctcactg 60  
ttcaatactt ttccattatt ttctctcttt tttatagagc taatgtcaaa ccccgaaatt 120  
ccacaccacc tagtttgga agaaatcctg ccccgaggtg gcttacaac aaaagaaaaa 180  
catatactga gagctacata gccaggccag atggggactg tgcattcttc cttaatggtg 240  
gaaatattaa aggcatgaa ggacattcac ctggaaactt accaaaattc tgccatgagt 300  
gtgggactaa atacctgtga gaatnggcc aattttgctn tgaatgtggc attcgaagaa 360  
tgattctatg aatagaatct caaaaaaaaa aaaaaaaaaac caagttcaaa agtttatgat 420  
tattgntgnt tggncagct anaacacatc cttaattaan tttgggctaa aaatct 476

<210> 2236  
<211> 527  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1511

<222> (413)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (478)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (512)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (513)  
<223> n equals a,t,g, or c

<400> 2236  
tcgacccacg cgtccgcagt ttttccaggc gtgacagaca tggcggcggc ttttcggaag 60  
gcggctaagt cccggcagcg ggaacaccga gagcgaacca gcctggcttt cgaaaacatc 120  
tgggcctggt ggagaaaaag aaagattaca aacttcgtgc agatgactac cgaaaaaac 180  
aggaatacct cagagctctc cggaagaagg ctcttgaaaa aaatccagat gaattctact 240  
acaaaatgac tcgggttaaa ctccaggatg gattccacgt tattgaagga gactgaaggg 300  
aggaagtga ctgccagaac aactggaaac tgatgagaac ccagggtgtc caaatatgat 360  
gagaaatgga aaagggtttg ccgggaactg aaggaaaatt ggaaaganga aantccgagn 420

## 1512

tcccnctgg ctgggatttt cccgggggaa gccngccgga tgaagccatg tggtnntntt 480  
tttggaccac ccaaaaaggg aagttggagc cnnttggatg ttggcca 527

<210> 2237

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

1513

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2237

```
gaatgacttt atgggaatca cgctcgcttc tagccaggct gtcagcaacg ccaggaanct 60
ggagtggcca ctgacggaag ttgcataang tgtttttgaa ancgangccc cgggangata 120
taagttctat ttgcaaaatc gcagtctgcc tcagtcanat cctgtattaa aagttactct 180
ngcagtgtct gatcttcaaa aatccttgaa ctactggtgt tatctactgg gaatgaaaat 240
ttatgaaaaa tattataaaa gctatcgggc ttgcttgggc tttctgaaaa acccttggtta 300
anctggancn acaggcntca aggggtggggt gaaacatncc cc 342
```

<210> 2238

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

1514

<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (346)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<400> 2238  
gttgngacgc gcttccacac tgatagtata cttnatttnc naccagtta aagctggtac 60  
ccctgcaggt accggtccgg aattcccggg tgcaccacg cgtccgtgga gctgaatgag 120  
ttgctcctgg acaaaaaacca ggagccccag tggcgggaga cagctcgctg gatcaaattt 180  
gaagaagacg tggatgaaga tgcccatgat tcagaggcca aagtggcgag cctgagagga 240  
atggagttac aggggtgctg cagcactcag gttgaatcan aaaataacca anaagaacag 300  
aaacaggtgc gcttaccaga aagccgtctg acaccatggg aggtgngggt tattggcnta 360  
gaaaaagaag aacgtgaccg gctgcactctg aaagctntag aggaattaaa tcaacnctag 420  
aanaaagaa 429

<210> 2239  
<211> 205

1515

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (130)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (157)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (173)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (175)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (196)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2239

```
gccacgcgt cgcacgc gttcgggaaa atgagtacca ggcgtncagc gttccccga 60
cccgntgct aataaaggag ccttccaagc gtgtggggca ttttcgtgga ctacagaatt 120
ggaaagcatn ttcttttaca atgtgaaaag caagatncca catttataca ttngncagat 180
ggtttttttt ttgggncct ttaaa 205
```

&lt;210&gt; 2240

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1516

&lt;222&gt; (249)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (255)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (257)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (258)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (259)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2240

```

aattcaatga agcgcgggta aacggggggg agtaactatg actctcttaa ggtagccaaa 60
tgcctcgtca tctaattagt gacgcgcatg aatggatgaa cgagattccc actgtcccta 120
cctactatcc agcgaaacca cagccaaggg aacggggcttg gcggaatcag cggggaaaga 180
agaccctggt gagcttgact ctagtctggc acggtgaaga gacatgagaa ggtgtaaata 240
aagtgggang ccccnncnnc cccc                                     265

```

&lt;210&gt; 2241

&lt;211&gt; 483

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2241

```

naccaccctc actaaggga caaaagctgg agctccaccg cggtgacgac cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcagagcaaa accaatggta ggaaatgttt 120
ttagggaatt gggctaattg atagcaatgc agtgatagga tcttaaaata acagtgacaa 180
ggtcgtagtg tttaactgtc agataaatgg caaggtcaaa gtggcagtcg ggaggagtta 240
cttgaggaga tcagtggagt tggttaatag aaaataatat tcttaagggc aagatagatg 300
ggcagctaac aaggctatat cttgaacaat ataattgaaa gaaattatta aaaaacgggt 360
gattaagagg caaagtgcaa ctacacaaat taataaagcg ttatcccttg actagtttct 420
gatcctgagc cagtgccttag gcctagaacc cattgatcaa aaaaagaggt tgaatgtaca 480
gga                                             483

```

1517

<210> 2242  
<211> 552  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (9)  
<223> n equals a,t,g, or c

<220>  
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<222> (238)  
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<400> 2242  
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tctagaacta gtggatcccc cgggctgcag gaattcggca cgagggtata caggaaatgg 120  
ataatactgt aacaatctgc agctgtctca tatgttatat aaagaatgaa ctcataacag 180  
tgagaaaaagg gtatgtagtg cctttatgaa tactaaaaaa ataggtcaaa ttcctggnat 240  
atgtatgact tggttttatt ataattatga aaccctttaa cctattattc ttttaaatac 300  
aagcagaaat acaagacatt gccattacca gttagcttta atagactcaa gaaacaaaat 360  
agtctcttaa gttttatgta agtgataaaa taaactaaga gttcctcata gatataatac 420  
ttgaaaaatg gtttctagtt agtgacgggtg gaataaaatc attttcttac tctcttctct 480  
tgaatgccaa tgaaaagaaa atcaaacaaa agatagaaaa tgtcaatttc aaagacacaa 540  
acaatcaaac aa 552

<210> 2243  
<211> 530  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (2)  
<223> n equals a,t,g, or c

<220>  
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<222> (4)  
<223> n equals a,t,g, or c



1518

<220>  
 <221> misc feature  
 <222> (7)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (12)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (57)  
 <223> n equals a,t,g, or c

<400> 2243  
 ancntgncac cnaaccctca cttaaagggaa caaaagctgg agctccaccg cgggtgengtc 60  
 cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgttcgg cacgagcaaa 120  
 agatacaaac ttagtatttc caggcattga acagcaggct ttccaggact gtcacacctg 180  
 agaaaaatgga gatacatgag gtgagcccca cgtttctccc acctttctgc tcagctttct 240  
 gcgacagagc acgttcccg tgcagcacia gtggagctgc agtatcagaa cctaaggagg 300  
 cagagagtgg aattctgggt tgctggcatg actggaatat ttgctagaga ggaggaactg 360  
 ctccaagaag ttctagaagt ctctggacat tcaaactagg tcctgagaac tgtatatattt 420  
 aaatgcttgc attggaactg ttttaaacca atgatctcaa gtctttgtct taagttagaa 480  
 aaagaagggc aaattaaacg ccaagttaat agaaggaata aaatagcaca 530

<210> 2244  
 <211> 200  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (11)  
 <223> n equals a,t,g, or c

1519

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<400> 2244  
tggnttttnn ntntaactc gaattaccct cactaaaggg aacaaaagct ggagctccac 60  
cgcggtggcg gccgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgagc 120  
gctnagccgt cccttctcgn catgtcccag agcangcacc gcgccgaggn cccgccgctg 180  
gaacgcgagg acagngggac 200

<210> 2245  
<211> 127  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

1520

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<400> 2245  
acggcacgag gggggggcccg gtacccaatt cgccctataa tgagtcgtat tacaattcac 60  
tgggcgtcgt tttaacaant cgtgactggg aaaaccana caccnctcct tctttntang 120  
gccccct 127

<210> 2246  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

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<220>  
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## 1521

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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<400> 2246  
tgggggaggn ggntcctcta cttaaaggna acaaaagctg gcccncccc cgcaagtggc 60  
ggctgctcta gaactagtgg atccccggg ctgcaggaat tcggcacgag cggcacgagc 120  
ggcacgaggg gggggccggt acccaattcg ccctatagtg agtcgtatta caattcactg 180  
gccgtcgttt nacaacgtcg tgactgggaa aaccaanga ntnganatt 229

<210> 2247  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

## 1522

<220>  
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<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<400> 2247  
gctcgtgccg aagggggggcc cggtacccaa ttcgccctat ngtgagtcgt attacaattc 60  
actggccgtc gttttacaac gtcgtgactg ggaaaaaccc annncntct c 111

<210> 2248  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (91)  
<223> n equals a,t,g, or c

<220>  
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<222> (96)  
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<400> 2248  
gcggcagcag gggggcccg g taccaattcg ccctatagtg agtcgtatta caattcactg 60  
gccgtcgttt taaacgtcgt gactggggcc naaaannnn 99

<210> 2249  
<211> 165  
<212> DNA

1523

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (158)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (159)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (162)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2249

attaaccctc actaaagggg acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60

actagtgggg gcccggtacc caattcgccc tatagtgagt cgtattacaa ttcactggcc 120

gtcgttttac aacgtcgtga ctgggaaaac ccaantcnnt tntnc 165

&lt;210&gt; 2250

&lt;211&gt; 573

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (76)

&lt;223&gt; n equals a,t,g, or c

1524

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<223> n equals a,t,g, or c

1525

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<222> (284)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>



1526

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<220>  
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<222> (443)  
<223> n equals a,t,g, or c

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<220>  
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<222> (463)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (550)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1527

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (568)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2250

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tgattctccn cttcgaaagg tcccttcact aaaaggggaac aaaagcggca gctccaccgc 60
ggtggnggtc gttctncaac tagtggatcc cccgggctgc aggaattcgg tacgagccag 120
agaccanccc atgaagagtg gtgggtggtt tattcactgg aaatggtgcg ttnntgctnn 180
ccnaaaacnc acgtinnactt cngaggaatg atgggcaaat ctggtctncn tggntgaaac 240
ccttnttttc ccntagatgc tttaaccttn gttggtttcg gctntagggt tcatagtcnc 300
ttctgttccc ttctccattc tgganaagga cttcccctac atacaccctg attncttgtn 360
gctgtgggga ttggacgtaa cattcaaaga tcntatgtgc tttcctcact tcggatataa 420
acactctggg ttttacagca atnancgtcc taaccttcat ngnganaaat aaaacatctc 480
tcttctactc ctgctgtttc atgcgccact cctttggggg ctttntcaat ttgttgaact 540
cctancttcn ttccctanaa atttccangt acc 573
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&lt;210&gt; 2251

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2251

## 1528

gcggcacgag cggcagcagg gggggcccgg tacccaattc gccctatant gagtcgtatt 60  
acaattcact ggccgctcgtt ttacaacgtc ntgactggga aaccnaaaa nn 112

<210> 2252  
<211> 247  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<400> 2252  
gggggggggg gttggttaat tatttccctc ttcaaaatta accctccnct aaaaggaaca 60  
aaagctggag ctccaccgcg gtggcgcccg ctctagaact agtggatccc ccgggctgca 120  
ggaattcggc acgagcggca cgagcggcac gagggggggc ccggtaccca attcgcccta 180  
tagtgagtcg tattacaatt cactggccgt cgttttacaa cgtcgtgata ccccnaaaa 240  
aannttn 247

<210> 2253  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>

1529

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<220>  
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<220>  
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<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<400> 2253  
gcggcacgag ggggggcccc gtacccaatt cgccctatng tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacgt cgtgactggg aaaacnnaaa tnn 103

<210> 2254  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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